

**A GUIDE TO THE SAFE USE  
OF  
SALON HAIR PRODUCTS**

**SAFETY  
DATA SHEETS**

**IMPORTANT**

**Keep this book in the Salon for reference purposes**

**September 2007**

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Reasonable care has been taken in preparing this document and the information provided herein is believed to be accurate. However, this information is not intended to constitute an "authoritative statement" nor to be taken as legal advice. Specific expert or legal advice may need to be obtained for interpretation of legislation and requirements and how individual organisations, products, services and activities meet compliance obligations.

## INTRODUCTION

HAIR PREPARATIONS should not present a risk to the health and safety of hairdressers or their clients if used sensibly and manufacturers' instructions are followed.

Manufacturers are required by law to supply health and safety information on any products used in hairdressing salons (a place of work) that contain potentially hazardous substances. Details must also be provided on the precautions that should be taken to reduce any risks. The information that manufacturers must give their customers (hairdressing salon owners or wholesalers) is given in this booklet.

The purpose of this booklet is to provide sufficient information on HAIR PRODUCTS used in salons, for you to make a workplace risk assessment as required by Australia's Hazardous Substances Framework. Please note that the exact legislative requirements vary slightly in each state and territory.

This book contains 14 Safety Data Sheets (SDS). They cover the categories of products commonly used in hairdressing salons.

The SDS tells you how to safely handle a product. It provides information for workers and professionals to help them make decisions and to prevent or deal with emergencies.

Use the product lists issued by manufacturers to determine which SDS applies to a particular hair care product.

The information given in this booklet is ONLY PART of what is needed to meet the requirement for workplace risk assessment. Information will be also required on any other products used in the salon which may be hazardous to health, such as those used for cleaning, disinfecting and nail care products. Occupational health and safety (OH&S) jurisdictions in the different states and territories support the preparation of this booklet.

All manufacturers must supply their customers (salons) with a list specifying which SDS in this booklet is relevant to each of their products. If you do not have such a list, contact your supplier.

If any of the products supplied by manufacturers do not comply with the information in this booklet then the correct information (i.e. product specific SDS) is required to be provided separately.

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- Wella

## **A GUIDE TO THE SAFE USE OF SALON HAIR PRODUCTS**

The aim of this guide is to provide relevant information on hair products used in salons for you, the hairdresser to make an assessment of possible health and safety risks associated with storing and handling of these products in the environment in which you work.

The guide complies with the requirements of state and territory OH&S legislation and related regulations. These may be referred to in some states and territories as Workplace Health and Safety Regulations.

The guide is not intended to be a complete encyclopaedia of safety information, rather, it is designed to highlight some of the most important points you should be aware of.

Your regular training, product label information, other safety information that is available to you and use of good judgement on the job will help you avoid injury to yourself, your clients and your fellow employees.

Within the workplace, the SDS is a recognised information source which underpins your overall risk management program to control exposure to hazardous and dangerous

materials. The advice contained in the SDS includes information on health effects, exposure control, safe handling and storage, emergency procedures and disposal. For most workplace risk assessments required by OH&S legislation, the SDS and the product label are the main information sources. SDSs may also be used as an integral part of your workplace training.

### **Are professional cosmetic products safe?**

A great deal of effort and resources are directed towards product safety on the part of manufacturers and regulators.

However, poor practice resulting in extended skin contact or respiratory exposure to particular products may cause ill health to some hair and beauty practitioners.

Cosmetic products are safe when used according to manufacturer's instructions and recommendations.

### **Listing of ingredients**

All cosmetic products manufactured or imported into Australia must be labelled with a list of ingredients. Listings are normally located on the back or side copy of packs offered for sale. In Australia all cosmetic products (including professional products) are required to list the product's ingredients in accordance with the Trade Practices (Consumer Products Information Standards) (Cosmetics) Regulations 1991. If you are unable to locate this information on the packs you currently use or offer for sale, contact your supplier or distributor and ask that the information be provided to you.

Ingredient lists inform about the substances present in the products. If you, or some of your clients are allergic to certain ingredients, a look at the list will tell you whether those ingredients are present in the product.

This information will help you and your clients avoid unwanted allergic reactions and/or to find products that do not present the potential for that problem. Ingredient names are listed according to a standardised international format and therefore should make no difference as to where the products are sourced from.

To help you avoid ingredients to which you may be allergic, make sure to find out from your doctor the chemical name or other commonly used names for that ingredient; then compare those names with those on the ingredients list. If you are unsure consult your doctor or the supplier to confirm one way or another.

### **Safety Data Sheets (SDS)**

It is a requirement of OH&S state and territory legislation that a safety data sheet be prepared by the manufacturer or the supplier if the product being supplied is assessed as being a hazardous substance.

This guide has attempted to cover the majority of products supplied to hairdressers and in so doing 14 product groups have been created. Some of the groups list the products contained

within them as hazardous, others list the products as non hazardous. Manufacturers have assessed all product groups and have prepared a SDS for each one of them.

In each case the information provided in the SDS should be read and clearly understood by everyone.

Please keep this guide available in the workplace for employees to look at whenever they wish.

### **What you can learn from a Safety Data Sheet (SDS)**

The SDS enables the user to answer some basic questions.

- a) What is the product I am about to use?
- b) What do I need to know before and while I use it?
- c) What do I do if a hazardous situation occurs?
- d) How can I prevent a hazardous situation from occurring?

The SDS will tell you how to safely handle the product so that you do not place yourself or others at risk. The SDS provides information to both workers and professionals to help them make decisions and to prevent or deal with emergencies. Such people may include managers, supervisors, transport drivers, the police, fire fighters, occupational hygienists, doctors, poisons information centres personnel, government authorities and so on.

These people will often need to know additional technical information associated with the product; information which is not often understood by personnel who have not had specialist training in that area.

For this reason some of the information on a SDS may appear too technical and unnecessary, but you are required by law to make sure all employees know what information is contained on the SDS and what it means for them.

## **THE SAFETY DATA SHEET – A PLAIN LANGUAGE EXPLANATION OF THE RELEVANT SECTIONS OF THE NEW 16 HEADER FORMAT**

### **Section 1 - Identification of Chemical Product and Company**

This section describes the product, trade and other associated names it may be known by and its proposed use.

### **Section 2 - Hazards Identification**

This section describes briefly the potential effects on the body and situations to avoid in relation to its use.

### *Emergency Overview*

This section describes what the product may look like, the smell and the areas of the body that may be harmed if not used correctly.

### *Potential Health Effects*

This section describes the effects on breathing in too much, or having the product splashed on to areas such as the skin or eyes, and if the product is swallowed. It also discusses if the product has any cancer causing effects.

## **Section 3 - Composition/Information on Ingredients**

This section advises the chemicals that make up the product and the amount that may be found in each finished product.

## **Section 4 - First Aid Measures**

This section details who you should call and what you should do if the product is inhaled or comes into contact with the skin or eyes, or is swallowed.

## **Section 5 - Fire Fighting Measures**

This section deals with the effects the product may have if it is in a fire, and the fire fighting equipment that may be used to deal with it.

## **Section 6 - Accidental Release Measures**

This section discusses how to deal with a substance when there is a spill or if a container breaks.

## **Section 7 - Handling and Storage**

This section discusses how, where and under which conditions the product may need to be stored in and if there are any special requirements for handling the product during its use.

## **Section 8 - Exposure Controls and Personal Protection**

This section deals with what safety equipment may be needed when using this product such as gloves or eyewear and the requirements for the area in which the product is being used, such as ventilation and air flow.

## **Section 9 - Physical and Chemical Properties:**

This section deals with the chemical properties of the product including the colour and odour that the product may have, also if the product is water soluble.

## **Section 10 - Stability and Reactivity**

This section discusses what may happen over the life of the product and the conditions that it needs to be kept under and/or avoided.

### **Section 11 - Toxicological Information**

This section discusses the effects the product may have on the body both short term and over a long period of use and the classification of any hazardous ingredients.

### **Section 12 - Ecological Information**

This section indicates the effect that possible release or disposal of the product may have on the environment.

### **Section 13 - Disposal Considerations**

This states how to dispose of any residue or waste product.

### **Section 14 - Transport Information**

This section is not relevant unless large quantities of material are being transported.

### **Section 15 - Regulatory Information**

This section states that all the materials used in the manufacture of the product are compliant with Australian legislation. It also deals with special requirements which may apply to individual ingredients.

### **Section 16 - Other Information**

This is used for miscellaneous information.

## Section 1 - Identification of Chemical Product and Company

<b>Substance:</b>	Blend of ingredients; solvent is flammable.
<b>Trade Name:</b>	<b>Refer to individual company's name</b>
<b>Other Name:</b>	<b>Flammable Products</b>
<b>Product Use:</b>	Hair styling preparations.
<b>Creation Date:</b>	<b>August, 2006</b>
<b>Revision Date:</b>	<b>October, 2007</b>

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

These products are classified as: Xi, Irritating. F, Flammable. Hazardous according to the criteria of ASCC. Dangerous according to the Australian Dangerous Goods (ADG) Code.

**Risk Phrases:** R10, R36. Flammable. Irritating to eyes.

**Safety Phrases:** S16, S23, S24/25. Keep away from sources of ignition - No smoking. Do not breathe vapours. Avoid contact with skin and eyes.

The designation above is for Isopropanol based products as IPA is designated as **Irritating to eyes** at above 20%

**SUSDP Classification:** None allocated.

**ADG Classification:** Class 3 (ETHANOL or ETHANOL SOLUTION)

**UN Number:** 1170

Note that some products are designated UN 1266 (PERFUMERY PRODUCTS with flammable solvents)

## Emergency Overview

**Physical Description & Colour:** Typically; clear pale yellow liquids.

**Odour:** Mild or characteristic odour.

**Major Health Hazards:** eye irritant.

## Potential Health Effects

### Inhalation:

**Short Term Exposure:** Available data indicates that this product may be mildly irritating, although unlikely to cause anything more than mild transient discomfort.

### Skin Contact:

**Short Term Exposure:** Available data indicates that this product should present no hazards in normal use. However product may be mildly irritating, but is unlikely to cause anything more than mild discomfort which should disappear once contact ceases.

### Eye Contact:

**Short Term Exposure:** These products are an eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms may also become evident. Lengthy exposure or delayed treatment may cause permanent damage.

### Ingestion:

**Short Term Exposure:** Significant oral exposure is considered to be unlikely. However, these products are believed to be mildly irritating to mucous membranes but are unlikely to cause anything more than mild transient discomfort.

### Carcinogen Status:

**ASCC:** No significant ingredient is classified as carcinogenic by ASCC.

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** Isopropanol is Class 3 - unclassifiable as to carcinogenicity to humans.

See the IARC website for further details. A web address has not been provided as addresses frequently change.

### Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Ethanol	64-17-5	25-95	1880	not set
Isopropanol	67-63-0	25-95	983	1230
Dimethylcyclopolysiloxane (cyclomethicone)	69430-24-6	25-95	not set	not set
Isododecane	31807-55-3	25-95	not set	not set
Other non hazardous ingredients	secret	to 100	not set	not set

This is a wide variety of products based on one of the solvents listed above, and thus is flammable.

This is a commercial product whose exact ratio of components may vary slightly. Varying quantities of other non hazardous ingredients are also present.

The ASCC TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

### Section 4 - First Aid Measures

#### General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

**Inhalation:** First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

**Skin Contact:** Wash gently and thoroughly with warm water (use non-abrasive soap if necessary) until product is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts) and wash them before reuse. If irritation persists, repeat flushing and seek medical attention.

**Eye Contact:** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water until the product is removed, while holding the eyelid(s) open. Take special care if exposed person is wearing contact lenses.

**Ingestion:** If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

### Section 5 - Fire Fighting Measures

**Fire and Explosion Hazards:** These products are classified as flammable. There is a moderate risk of an explosion from this product if commercial quantities are involved in a fire. Firefighters should take care and appropriate precautions. Any explosion will likely spread the fire to surrounding materials. Water spray may be used to cool drums involved in a fire, reducing the chances of an explosion.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

**Extinguishing Media:** Preferred extinguishing media are carbon dioxide, dry chemical, foam, water fog. Water fog or fine spray is the preferred medium for large fires. Ensure that no spillage enters drains or water courses.

**Fire Fighting:** If a significant quantity of these products are involved in a fire, call the fire brigade.

**Flash point:** 23-61°C

**Upper Flammability Limit:** Various

**Lower Flammability Limit:** Various

**Autoignition temperature:** No data.

**Flammability Class:** Flammable

### Section 6 - Accidental Release Measures

**Accidental release:** In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective glasses and, preferably, goggles.

Stop leak if safe to do so, and contain spill. Absorb onto suitable absorbent material (but nothing that is combustible like sawdust, rags or paper). Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. After spills, wash area preventing runoff from entering drains. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

### Section 7 - Handling and Storage

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed.

**Storage:** Store in a cool, well ventilated area, out of direct sunlight. Check packaging - there may be further storage instructions on the label.

### Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

ASCC Exposure Limits	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
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Ethanol	1880	not set
Isopropanol	983	1230

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. The use of exhaust fans is strongly recommended.

**Eye Protection:** Eye protection is recommended when these products are being used. You are strongly encouraged to wear protective glasses or goggles.

**Skin Protection:** We suggest that routine unprotected and long term contact with these products should be avoided and that suitable gloves should be worn during use.

**Protective Material Types:** We suggest that protective clothing be made from the following materials: rubber, PVC.

**Respirator:** Usually, no respirator is necessary when using this product.

### Section 9 - Physical and Chemical Properties:

<b>Physical Description &amp; colour:</b>	Typically; clear pale yellow liquids.
<b>Odour:</b>	Mild or characteristic odour.
<b>Boiling Point:</b>	Various.
<b>Freezing/Melting Point:</b>	No specific data. Liquid at normal temperatures.
<b>Volatiles:</b>	Varies; solvent is volatile,
<b>Specific Gravity:</b>	Varies; usually about 0.82-0.93
<b>Water Solubility:</b>	Usually soluble. If based on Isododecane, will be insoluble.
<b>pH:</b>	No data.

### Section 10 - Stability and Reactivity

**Reactivity:** These products are unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

**Conditions to Avoid:** This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed. Keep away from sources of sparks or ignition.

**Incompatibilities:** oxidising agents.

**Fire Decomposition:** Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

**Polymerisation:** This product will not undergo polymerisation reactions.

### Section 11 - Toxicological Information

**Local Effects:**

**Target Organs:** eyes

### Classification of Hazardous Ingredients

Ingredient	Risk Phrases
Isopropanol	Conc>=20%: Xi; R36

This means that isopropanol is considered irritating to eyes at concentrations above 20%.

### Section 12 - Ecological Information

This product range is usually biodegradable. It is not likely to accumulate in the soil or water or cause long term problems.

### Section 13 - Disposal Considerations

**Disposal:** Small quantities as used in a salon may safely be flushed down the sink. However, if you have old or redundant stock, call your local council, or your supplier for disposal advice.

### Section 14 - Transport Information

**Not relevant for salon use. However, note the following:**

**ADG Code:** 1170, ETHANOL or ETHANOL SOLUTION

**Hazchem Code:** 2[Y]

**Dangerous Goods Class:** Class 3, Flammable liquids.

**Packaging Group:** II or III, depending on flash point

### Section 15 - Regulatory Information

**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations.

### Section 16 - Other Information

**This SDS contains only safety-related information. For other data see product literature.**

#### Acronyms:

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>ASCC</b>	Office of the Australian Safety and Compensation Council
<b>CAS Number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSDP</b>	Standard for the Uniform Scheduling of Drugs & Poisons
<b>UN Number</b>	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the ASCC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

Prepared by Kilford & Kilford Pty Ltd, October, 2007.

<http://www.kilford.com.au/> Phone (02)9251 4532

## Section 1 - Identification of Chemical Product and Company

<b>Substance:</b>	Water solution of hydrogen peroxide.
<b>Trade Name:</b>	<b>Refer to individual company's name</b>
<b>Other Name:</b>	<b>Peroxide solutions; 8 - 12%</b>
<b>Product Use:</b>	Salon product used to mix with hair colours or blinding products.
<b>Creation Date:</b>	<b>August, 2006</b>
<b>Revision Date:</b>	<b>October, 2007</b>

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

These products are classified as: Xi, Irritating. Hazardous according to the criteria of ASCC.

Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

**Risk Phrases:** R8, R36/38. Contact with combustible material may cause fire. Irritating to eyes and skin.

**Safety Phrases:** S17, S36, S24/25. Keep away from combustible material. Wear suitable protective clothing. Avoid contact with skin and eyes.

**SUSDP Classification:** S6

**ADG Classification:** Class 5.1 (HYDROGEN PEROXIDE, AQUEOUS SOLUTION)

**UN Number:** 2984

## Emergency Overview

**Physical Description & Colour:** Clear liquid or creamy emulsion

**Odour:** No odour.

**Major Health Hazards:** irritating to eyes and skin.

## Potential Health Effects

### Inhalation:

**Short Term Exposure:** Available data indicates that these products are not harmful. In addition product is unlikely to cause any discomfort or irritation.

### Skin Contact:

**Short Term Exposure:** Available data indicates that these products are a skin irritant. Symptoms may include itchiness and bleaching of contacted skin.

### Eye Contact:

**Short Term Exposure:** These products are an eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms may also become evident. Lengthy exposure or delayed treatment may cause permanent damage.

### Ingestion:

**Short Term Exposure:** These products are an oral irritant. Symptoms may include burning sensation and reddening of skin in mouth and throat.

### Carcinogen Status:

**ASCC:** No significant ingredient is classified as carcinogenic by ASCC.

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** Hydrogen Peroxide is Class 3 - unclassifiable as to carcinogenicity to humans.

See the IARC website for further details. A web address has not been provided as addresses frequently change.

### Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Hydrogen peroxide	7722-84-1	8-12	1.4	not set
Other non hazardous ingredients		to 100	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Varying quantities of other non hazardous ingredients are also present.

The ASCC TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

### Section 4 - First Aid Measures

#### General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

**Inhalation:** First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

**Skin Contact:** Wash gently and thoroughly with warm water (use non-abrasive soap if necessary) until product is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts) and wash them before reuse. If irritation persists, repeat flushing and seek medical attention.

**Eye Contact:** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water until the product is removed, while holding the eyelid(s) open. Take special care if exposed person is wearing contact lenses.

**Ingestion:** If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

### Section 5 - Fire Fighting Measures

**Fire and Explosion Hazards:** There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

These products are likely to decompose only after heating to dryness, followed by further strong heating. Fire decomposition products from this product are not expected to be hazardous or harmful.

**Extinguishing Media:** Not Combustible. Use extinguishing media suited to burning materials. Water fog or fine spray is the preferred medium for large fires. Aim to dilute the material with large quantities of water. If practical, contain diluted material and prevent from entering drains and water courses.

**Fire Fighting:** If a significant quantity of these products are involved in a fire, call the fire brigade.

**Flash point:** Does not burn. However, if involved in a fire, likely to intensify the fire.

**Upper Flammability Limit:** Does not burn.

**Lower Flammability Limit:** Does not burn.

**Autoignition temperature:** Does not burn.

**Flammability Class:** Does not burn.

### Section 6 - Accidental Release Measures

**Accidental release:** While cleaning up a spill, wear goggles and gloves. Absorb onto suitable absorbent material like vermiculite, sand or kitty litter (but nothing that is combustible like sawdust, rags or paper). Sweep up and shovel or collect recoverable product, and dispose of promptly. After sweeping up, wash area with water. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

### Section 7 - Handling and Storage

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed.

**Storage:** Store in a cool, well ventilated area, out of direct sunlight. Check packaging - there may be further storage instructions on the label.

### Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:  
Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

<b>ASCC Exposure Limits</b>	<b>TWA (mg/m<sup>3</sup>)</b>	<b>STEL (mg/m<sup>3</sup>)</b>
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Hydrogen peroxide	1.4	not set
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No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. The use of exhaust fans is strongly recommended.

**Eye Protection:** Eye protection is recommended when these products are being used. You are strongly encouraged to wear protective glasses or goggles.

**Skin Protection:** We suggest that routine unprotected and long term contact with these products should be avoided and that suitable gloves should be worn during use.

**Protective Material Types:** We suggest that protective clothing be made from the following materials: rubber, PVC.

**Respirator:** Usually, no respirator is necessary when using this product.

### Section 9 - Physical and Chemical Properties:

**Physical Description & colour:** Clear liquid or creamy emulsion.

**Odour:** No odour.

**Boiling Point:** Approximately 100°C at 100kPa.

**Freezing/Melting Point:** Approximately 0°C.

**Volatiles:** Completely volatile at 100°C.

**Specific Gravity:** 1.03 to 1.05

**Water Solubility:** Completely soluble in water.

**pH:** Mildly acidic; pH 2.0-4.0

### Section 10 - Stability and Reactivity

**Reactivity:** Slowly decomposes to water and oxygen gas - decomposition is faster in warm conditions or if the bottle is in direct sunlight. This product must not be mixed with Alkaline perm products as a strong reaction will take place, causing the mixture to heat strongly. This may lead to burns to either the salon worker or the customer.

**Conditions to Avoid:** This product should be kept in a cool place, preferably below 30°C. Keep containers and surrounding areas well ventilated. Keep isolated from combustible materials. Protect this product from light.

**Incompatibilities:** reducing agents, combustible materials.

**Fire Decomposition:** These products are likely to decompose only after heating to dryness, followed by further strong heating. oxygen gas.

**Polymerisation:** This product will not undergo polymerisation reactions.

### Section 11 - Toxicological Information

**Local Effects:**

**Target Organs:** skin, eyes

### Classification of Hazardous Ingredients

Ingredient	Risk Phrases
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Hydrogen Peroxide	>=5%Conc<20%: Xi; R36/38
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This means that hydrogen peroxide is considered irritating to skin and eyes at concentrations between 5 and 20%.

### Section 12 - Ecological Information

These products are biodegradable. It will not accumulate in the soil or water or cause long term problems.

### Section 13 - Disposal Considerations

**Disposal:** Small quantities as used in a salon may safely be flushed down the sink. However, if you have old or redundant stock, call your local council, or your supplier for disposal advice.

### Section 14 - Transport Information

**Not relevant for in-salon use.**

However, note the following Dangerous Goods information:

**ADG Code (UN number):** 2984, HYDROGEN PEROXIDE, AQUEOUS SOLUTION

**Hazchem Code:** 2P

**Dangerous Goods Class:** Class 5.1, Oxidising Agents.

**Packaging Group:** III

### Section 15 - Regulatory Information

**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations.  
The following ingredient: Hydrogen peroxide, is mentioned in the SUSDP.

### Section 16 - Other Information

**This SDS contains only safety-related information. For other data see product literature.**

**Acronyms:**

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>ASCC</b>	Office of the Australian Safety and Compensation Council
<b>CAS Number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSDP</b>	Standard for the Uniform Scheduling of Drugs & Poisons
<b>UN Number</b>	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the ASCC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

Prepared by Kilford & Kilford Pty Ltd, October, 2007.

<http://www.kilford.com.au/> Phone (02)9251 4532

### Section 1 - Identification of Chemical Product and Company

<b>Substance:</b>	Blend of oxidising persulfate salts, alkaline salts and other ingredients.
<b>Trade Name:</b>	<b>Refer to individual company's name</b>
<b>Other Name:</b>	<b>Bleach Powders and Creams</b>
<b>Product Use:</b>	When mixed with solutions containing hydrogen peroxide, bleaches or lightens the colour of hair.
<b>Creation Date:</b>	<b>August, 2006</b>
<b>Revision Date:</b>	<b>October, 2007</b>

### Section 2 - Hazards Identification

#### Statement of Hazardous Nature

These products are classified as: Xn, Harmful. Xi, Irritating. Hazardous according to the criteria of ASCC. Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

**Risk Phrases:** R22, R36/38, R42/43. Harmful if swallowed. Irritating to eyes and skin. May cause sensitisation by inhalation and skin contact.

**Safety Phrases:** S20, S28, S36, S24/25. When using, do not eat or drink. After contact with skin, wash immediately with plenty of water. Wear suitable protective clothing. Avoid contact with skin and eyes.

**SUSDP Classification:** S6

**ADG Classification:** None allocated. Not a Dangerous Good under the ADG Code.

**UN Number:** None allocated

Note that products in this range may be classed by the manufacturer or distributor as Class 5.1 oxidising solids. Check individual product SDSs for details.

### Emergency Overview

**Physical Description & Colour:** Fine to granular white powder or cream.

**Odour:** No odour.

**Major Health Hazards:** irritating to eyes and skin, may cause sensitisation by inhalation and skin contact, harmful if swallowed.

### Potential Health Effects

WARNING - This product contains ingredients which may cause skin irritation to certain individuals. A preliminary test according to accompanying directions should be made before use. This product must not be used for dyeing eyelashes or eyebrows; to do so may be injurious to the eye. Keep away from heat, sparks and naked flames. Mix strictly according to instructions. May cause fire if it comes into contact with other chemicals, paper or other flammable materials.

These products may contain sensitisers. If you know that you are sensitised to one of the ingredients, then you should avoid contact with the product(s).

#### Inhalation:

**Short Term Exposure:** Classified as a potential sensitiser by inhalation. Exposure to a sensitiser, once sensitisation has occurred, may manifest itself as an asthmatic condition, and in some individuals this reaction can be extremely severe.

#### Skin Contact:

**Short Term Exposure:** Classified as a potential sensitiser by skin contact. Exposure to a skin sensitiser, once sensitisation has occurred, may manifest itself as skin rash or inflammation, and in some individuals this reaction can be severe.

#### Eye Contact:

**Short Term Exposure:** These products are an eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms may also become evident. Lengthy exposure or delayed treatment may cause permanent damage.

#### Ingestion:

**Short Term Exposure:** Available data shows that these products are harmful, but symptoms are not available.

**Carcinogen Status:**

**ASCC:** No significant ingredient is classified as carcinogenic by ASCC.

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** No significant ingredient is classified as carcinogenic by IARC.

**Section 3 - Composition/Information on Ingredients**

Ingredients	CAS No	Conc, %	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
persulfate salts *		<70	0.01	peak
amorphous silica	112926-00-8	<10	2 ***	not set
Alkaline salts **		<70	not set	not set
Other non hazardous ingredients	various	to 100	not set	not set

\* ammonium persulfate (7727-54-0), sodium persulfate (7775-27-1) and potassium persulfate (7727-21-1)

\*\* alkaline salts; sodium silicate (1344-09-8) and sodium metasilicate (6834-92-0)

\*\*\* This is respirable dust only. No value for larger particle sizes.

This is a commercial product whose exact ratio of components may vary slightly. Varying quantities of other non hazardous ingredients are also present.

The ASCC TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

**Section 4 - First Aid Measures**

**General Information:**

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

**Inhalation:** First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

**Skin Contact:** Wash gently and thoroughly with warm water (use non-abrasive soap if necessary) until product is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts) and wash them before reuse. If irritation persists, repeat flushing and seek medical attention.

**Eye Contact:** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water until the product is removed, while holding the eyelid(s) open. Take special care if exposed person is wearing contact lenses.

**Ingestion:** If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

**Section 5 - Fire Fighting Measures**

**Fire and Explosion Hazards:** There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. However, if involved in a fire, may intensify the fire. These products are likely to decompose only after heating to dryness, followed by further strong heating. Fire decomposition products from this product are not expected to be hazardous or harmful.

**Extinguishing Media:** Not Combustible. Use extinguishing media suited to burning materials.

**Fire Fighting:** No special measures necessary for this type of product.

**Flash point:** Does not burn. However, if involved in a fire, may intensify the fire.

**Upper Flammability Limit:** Does not burn.

**Lower Flammability Limit:** Does not burn.

**Autoignition temperature:** Does not burn.

**Flammability Class:** Does not burn.

**Section 6 - Accidental Release Measures**

**Accidental release:** While cleaning up a spill, wear goggles, dust mask and gloves. Sweep up and shovel or collect recoverable product and dispose of promptly. DO NOT store (even when awaiting disposal) in the same container as combustible materials such as rags and paper unless firstly thoroughly wetted. After sweeping up, wash area with water. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

### Section 7 - Handling and Storage

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed.

**Storage:** Store in a cool, well ventilated area, out of direct sunlight. Check packaging - there may be further storage instructions on the label.

### Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

<b>ASCC Exposure Limits</b>	<b>TWA (mg/m<sup>3</sup>)</b>	<b>STEL (mg/m<sup>3</sup>)</b>
<b>persulfate salts</b>	<b>0.01</b>	<b>peak</b>

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. The use of exhaust fans is strongly recommended.

**Eye Protection:** Eye protection is recommended when these products are being used. You are strongly encouraged to wear protective glasses or goggles.

**Skin Protection:** We suggest that routine unprotected and long term contact with these products should be avoided and that suitable gloves should be worn during use.

**Protective Material Types:** We suggest that protective clothing be made from the following materials: rubber, PVC.

**Respirator:** Usually, no respirator is necessary when using this product. However, we recommend the use of a suitable dust mask.

### Section 9 - Physical and Chemical Properties:

**Physical Description & colour:** Fine to granular white powder.

**Odour:** No odour.

**Boiling Point:** not applicable.

**Freezing/Melting Point:** Decomposes before melting.

**Water Solubility:** Soluble

**pH:** When mixed with peroxide solutions, 9-10. However, as supplied, will give higher pH than this.

### Section 10 - Stability and Reactivity

**Reactivity:** These products are unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties. This product must not be mixed with hydrogen peroxide products as a strong reaction will take place, causing the mixture to heat strongly. This may lead to burns to either the salon worker or the customer.

**Conditions to Avoid:** None known.

**Incompatibilities:** No particular Incompatibilities.

**Fire Decomposition:** None known at temperatures usually associated with minor fires.

**Polymerisation:** Polymerisation reactions are unlikely; they are not expected to occur.

### Section 11 - Toxicological Information

**Local Effects:**

**Target Organs:** skin, eyes, lungs

### Classification of Hazardous Ingredients

**Ingredient**

**Risk Phrases**

No ingredient mentioned in the HSIS Database is present in this product at hazardous concentrations. However, the following toxicity data was found:

Ammonium persulfate: LD<sub>50</sub> (Oral), Rat 495-820mg/kg LD<sub>50</sub> (Dermal), Rat >2000mg/kg

Inhalation LC<sub>50</sub> (rat) >2.95mg/L (4hr exposure, >97% particles <10µm)

Potassium persulfate: LD<sub>50</sub> (Oral), Rat 802-1130mg/kg LD<sub>50</sub> (Dermal), Rabbit >10,000mg/kg

Inhalation LC<sub>50</sub> (rat) >42.9mg/L (1hr)

Sodium persulfate: LD<sub>50</sub> (Oral), Rat 895-930mg/kg LD<sub>50</sub> (Dermal), Rabbit >10,000mg/kg

Inhalation LC<sub>50</sub> (rat) >5.10mg/L (4hr exposure)

### Section 12 - Ecological Information

This product will not accumulate in the soil or water or cause long term problems as, in the environment, it will be diluted and/or neutralised.

### Section 13 - Disposal Considerations

**Disposal:** Small quantities as used in a salon may safely be flushed down the sink. However, if you have old or redundant stock, call your local council, or your supplier for disposal advice.

### Section 14 - Transport Information

**Not relevant for in-salon use.**

### Section 15 - Regulatory Information

**AICS:** These products are compliant with NICNAS regulations.

The following ingredients; persulfate salts, alkaline salts are mentioned in the SUSDP.

### Section 16 - Other Information

**This SDS contains only safety-related information. For other data see product literature.**

**Acronyms:**

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>ASCC</b>	Office of the Australian Safety and Compensation Council
<b>CAS Number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSDP</b>	Standard for the Uniform Scheduling of Drugs & Poisons
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Please read all labels carefully before using product.

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Prepared by Kilford & Kilford Pty Ltd, October, 2007.

<http://www.kilford.com.au/> Phone (02)9251 4532

### Section 1 - Identification of Chemical Product and Company

**Substance:** Water solution of hydrogen peroxide.  
**Trade Name:** Refer to individual company's name  
**Other Name:** Peroxide solutions - less than 8%  
**Product Use:** Salon product used to mix with hair colours or bleaching products as developers or with permanent waves as neutralisers.  
**Creation Date:** August, 2006  
**Revision Date:** October, 2007

### Section 2 - Hazards Identification

#### Statement of Hazardous Nature

These products are classified as: Xi, Irritating. Hazardous according to the criteria of ASCC.

Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

**Risk Phrases:** R36/38. Irritating to eyes and skin.

**Safety Phrases:** S17, S36, S24/25. Keep away from combustible material. Wear suitable protective clothing. Avoid contact with skin and eyes.

**SUSDP Classification:** S5

**ADG Classification:** None allocated. Not a Dangerous Good under the ADG Code.

**UN Number:** None allocated

**Note:** Status as skin and eye irritant only applies to concentrations of hydrogen peroxide of 5% or more.

### Emergency Overview

**Physical Description & Colour:** Clear liquid or creamy emulsion..

**Odour:** No odour.

**Major Health Hazards:** irritating to eyes and skin.

### Potential Health Effects

#### Inhalation:

**Short Term Exposure:** Available data indicates that these products are not harmful. In addition product is unlikely to cause any discomfort or irritation.

#### Skin Contact:

**Short Term Exposure:** Available data indicates that these products are a skin irritant. Symptoms may include itchiness and bleaching of contacted skin.

#### Eye Contact:

**Short Term Exposure:** These products are an eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms may also become evident. Lengthy exposure or delayed treatment may cause permanent damage.

#### Ingestion:

**Short Term Exposure:** These products are an oral irritant. Symptoms may include burning sensation and reddening of skin in mouth and throat.

#### Carcinogen Status:

**ASCC:** No significant ingredient is classified as carcinogenic by ASCC.

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** Hydrogen Peroxide is Class 3 - unclassifiable as to carcinogenicity to humans.

See the IARC website for further details. A web address has not been provided as addresses frequently change.

### Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc,%	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Hydrogen peroxide	7722-84-1	<8	1.4	not set
Other non hazardous ingredients		to 100	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Varying quantities of other non hazardous ingredients are also present.

The ASCC TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

#### **Section 4 - First Aid Measures**

##### **General Information:**

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

**Inhalation:** First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

**Skin Contact:** Wash gently and thoroughly with warm water (use non-abrasive soap if necessary) until product is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts) and wash them before reuse. If irritation persists, repeat flushing and seek medical attention.

**Eye Contact:** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water until the product is removed, while holding the eyelid(s) open. Take special care if exposed person is wearing contact lenses.

**Ingestion:** If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

#### **Section 5 - Fire Fighting Measures**

**Fire and Explosion Hazards:** There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

These products are likely to decompose only after heating to dryness, followed by further strong heating. Fire decomposition products from this product are not expected to be hazardous or harmful.

**Extinguishing Media:** Not Combustible. Use extinguishing media suited to burning materials.

**Fire Fighting:** If a significant quantity of these products are involved in a fire, call the fire brigade.

**Flash point:** Does not burn. However, if involved in a fire, may intensify the fire.

**Upper Flammability Limit:** Does not burn.

**Lower Flammability Limit:** Does not burn.

**Autoignition temperature:** Does not burn.

**Flammability Class:** Does not burn.

#### **Section 6 - Accidental Release Measures**

**Accidental release:** While cleaning up a spill, wear goggles and gloves. Absorb onto suitable absorbent material like vermiculite, sand or kitty litter. Sweep up and shovel or collect recoverable product, and dispose of promptly. After sweeping up, wash area with water. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

#### **Section 7 - Handling and Storage**

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed.

**Storage:** Store in a cool, well ventilated area, out of direct sunlight. Check packaging - there may be further storage instructions on the label.

#### **Section 8 - Exposure Controls and Personal Protection**

The following Australian Standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

<b>ASCC Exposure Limits</b>	<b>TWA (mg/m<sup>3</sup>)</b>	<b>STEL (mg/m<sup>3</sup>)</b>
Hydrogen peroxide	1.4	not set

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. The use of exhaust fans is strongly recommended.

**Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)**

**Eye Protection:** Eye protection is recommended when these products are being used. You are strongly encouraged to wear protective glasses or goggles.

**Skin Protection:** We suggest that routine unprotected and long term contact with these products should be avoided and that suitable gloves should be worn during use.

**Protective Material Types:** We suggest that protective clothing be made from the following materials: rubber, PVC.

**Respirator:** Usually, no respirator is necessary when using this product.

### Section 9 - Physical and Chemical Properties:

**Physical Description & colour:** Clear liquid or creamy emulsion.

**Odour:** No odour.

**Boiling Point:** Approximately 100°C at 100kPa.

**Freezing/Melting Point:** Approximately 0°C.

**Volatiles:** Completely volatile at 100°C.

**Specific Gravity:** 1.01 to 1.03

**Water Solubility:** Completely soluble in water.

**pH:** Mildly acidic; pH 2.0-4.0

### Section 10 - Stability and Reactivity

**Reactivity:** Slowly decomposes to water and oxygen gas - decomposition is faster in warm conditions or if the bottle is in direct sunlight. This product must not be mixed with Alkaline perm products as a strong reaction will take place, causing the mixture to heat strongly. This may lead to burns to either the salon worker or the customer.

**Conditions to Avoid:** This product should be kept in a cool place, preferably below 30°C. Keep containers and surrounding areas well ventilated. Keep isolated from combustible materials. Protect this product from light.

**Incompatibilities:** reducing agents, combustible materials.

**Fire Decomposition:** These products are likely to decompose only after heating to dryness, followed by further strong heating. oxygen gas.

**Polymerisation:** This product will not undergo polymerisation reactions.

### Section 11 - Toxicological Information

**Local Effects:**

**Target Organs:** skin, eyes

### Classification of Hazardous Ingredients

Ingredient

Risk Phrases

Hydrogen Peroxide

$\geq 5\% \text{Conc} < 20\%$ : Xi; R36/38

This means that hydrogen peroxide is considered irritating to skin and eyes at concentrations between 5 and 20%.

### Section 12 - Ecological Information

These products are biodegradable. It will not accumulate in the soil or water or cause long term problems.

### Section 13 - Disposal Considerations

**Disposal:** Small quantities as used in a salon may safely be flushed down the sink. However, if you have old or redundant stock, call your local council, or your supplier for disposal advice.

### Section 14 - Transport Information

Not relevant for in-salon use.

### Section 15 - Regulatory Information

**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations.

The following ingredient: Hydrogen peroxide, is mentioned in the SUSDP.

### Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

**Acronyms:**

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>ASCC</b>	Office of the Australian Safety and Compensation Council
<b>CAS Number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSDP</b>	Standard for the Uniform Scheduling of Drugs & Poisons
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IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

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Prepared by Kilford & Kilford Pty Ltd, October, 2007.  
<http://www.kilford.com.au/> Phone (02)9251 4532

## Section 1 - Identification of Chemical Product and Company

<b>Substance:</b>	Blend of ingredients often containing minor quantities of quaternary ammonium compounds.
<b>Trade Name:</b>	<b>Refer to individual company's name</b>
<b>Other Name:</b>	<b>Hair Styling Products</b>
<b>Product Use:</b>	This is a miscellaneous group of products including (but not limited to) muds, gels, waxes, fudges, clays and pomades.
<b>Creation Date:</b>	<b>August, 2007</b>
<b>Revision Date:</b>	<b>October, 2007</b>

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

These products are classified as: Not classified as hazardous according to the criteria of ASCC.  
Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

### Risk Phrases:

**Safety Phrases:** S25. Avoid contact with eyes.

**SUSDP Classification:** None allocated.

Note: If certain quaternary ammonium compounds are present at cumulatively more than 5%, products will be Schedule 5 products. The hazardous classification of these products will need to be checked and labelled accordingly

**ADG Classification:** None allocated. Not a Dangerous Good under the ADG Code.

**UN Number:** None allocated

## Emergency Overview

**Physical Description & Colour:** Viscous liquids, waxes and pastes of various colours and degrees of opacity.

**Odour:** Various fragrances.

**Major Health Hazards:** no significant risk factors have been found for these products.

## Potential Health Effects

### Inhalation:

**Short Term Exposure:** Available data indicates that these products are not harmful. In addition product is unlikely to cause any discomfort or irritation.

### Skin Contact:

**Short Term Exposure:** Available data indicates that these products are not harmful. It should present no hazards or discomfort in normal use. Repeated exposure to some products may cause skin dryness or cracking.

### Eye Contact:

**Short Term Exposure:** Avoid contact with eyes. These products are believed to be mildly irritating, to eyes, but is unlikely to cause anything more than mild transient discomfort.

### Ingestion:

**Short Term Exposure:** Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.

### Carcinogen Status:

**ASCC:** No significant ingredient is classified as carcinogenic by ASCC.

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** No significant ingredient is classified as carcinogenic by IARC.

### Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Hazardous ingredients *	various	0-5	not set	not set
* Includes cetrimonium chloride, cetrimonium bromide, and certain other quaternary ammonium compounds.				
Other non hazardous ingredients	various	10-70	not set	not set
Water	7732-18-5	to 100	not set	not set

These are commercial products whose exact ratio of components may vary slightly.

The ASCC TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

### Section 4 - First Aid Measures

#### General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

**Inhalation:** First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

**Skin Contact:** Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until product is removed.

**Eye Contact:** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water until the product is removed, while holding the eyelid(s) open. Obtain medical advice immediately if irritation occurs. Take special care if exposed person is wearing contact lenses.

**Ingestion:** If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

### Section 5 - Fire Fighting Measures

**Fire and Explosion Hazards:** There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Only small quantities of decomposition products are expected from these products at temperatures normally achieved in a fire. This will only occur after heating to dryness.

Fire decomposition products from this product are likely to be harmful if inhaled. Take suitable protective measures.

**Extinguishing Media:** Not Combustible. Use extinguishing media suited to burning materials.

**Fire Fighting:** If a significant quantity of these products are involved in a fire, call the fire brigade.

**Flash point:** Does not burn.

**Upper Flammability Limit:** Does not burn.

**Lower Flammability Limit:** Does not burn.

**Autoignition temperature:** Not applicable - does not burn.

**Flammability Class:** Does not burn.

### Section 6 - Accidental Release Measures

**Accidental release:** Absorb onto suitable absorbent material like vermiculite, sand or kitty litter. Sweep up and shovel or collect recoverable product, and dispose of promptly. After sweeping up, wash area with water. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

### Section 7 - Handling and Storage

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed.

**Storage:** Store in a cool, well ventilated area, out of direct sunlight. Check packaging - there may be further storage instructions on the label.

### Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

**ASCC Exposure Limits**                      **TWA (mg/m<sup>3</sup>)**    **STEL (mg/m<sup>3</sup>)**

Exposure limits have not been established by ASCC for any of the significant ingredients in this product.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. The use of exhaust fans is strongly recommended.

**Eye Protection:** Eye protection is recommended when these products are being used. You are strongly encouraged to wear protective glasses or goggles.

**Skin Protection:** We suggest that routine unprotected and long term contact with these products should be avoided and that suitable gloves should be worn during use.

**Protective Material Types:** We suggest that protective clothing be made from the following materials: rubber, PVC.

**Respirator:** Usually, no respirator is necessary when using this product.

### Section 9 - Physical and Chemical Properties:

**Physical Description & colour:** Viscous liquids, waxes and pastes of various colours and degrees of opacity.

**Odour:** Various fragrances.

**Boiling Point:** Approximately 100°C at 100kPa.

**Freezing/Melting Point:** Approximately 0°C.

**Volatiles:** Water component.

**Specific Gravity:** 0.95-1.10 (typically)

**Water Solubility:** Completely soluble in water.

**pH:** 3.0-8.0 (typically)

**Viscosity:** Varies from product to product.

### Section 10 - Stability and Reactivity

**Reactivity:** These products are unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

**Conditions to Avoid:** None known.

**Incompatibilities:** No particular Incompatibilities.

**Fire Decomposition:** Only small quantities of decomposition products are expected from this products at temperatures normally achieved in a fire. This will only occur after heating to dryness. Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres. Oxides of sulfur (sulfur dioxide is a respiratory hazard) and other sulfur compounds. Most will have a foul odour. Water. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

**Polymerisation:** This product will not undergo polymerisation reactions.

### Section 11 - Toxicological Information

**Local Effects:**

**Target Organs:** none known

### Classification of Hazardous Ingredients

Ingredient

Risk Phrases

No ingredient mentioned in the HSIS Database is present in these products at hazardous concentrations.

### Section 12 - Ecological Information

This product range is usually biodegradable. It is not likely to accumulate in the soil or water or cause long term problems.

### Section 13 - Disposal Considerations

**Disposal:** Small quantities as used in a salon may safely be flushed down the sink. However, if you have old or redundant stock, call your local council, or your supplier for disposal advice.

### Section 14 - Transport Information

**Not relevant for in-salon use.**

### Section 15 - Regulatory Information

**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations.

### Section 16 - Other Information

**This SDS contains only safety-related information. For other data see product literature.**

**Acronyms:**

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>ASCC</b>	Office of the Australian Safety and Compensation Council
<b>CAS Number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSDP</b>	Standard for the Uniform Scheduling of Drugs & Poisons
<b>UN Number</b>	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the ASCC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

Prepared by Kilford & Kilford Pty Ltd, October, 2007.

<http://www.kilford.com.au/> Phone (02)9251 4532

## Section 1 - Identification of Chemical Product and Company

**Substance:** Water solutions of ingredients.  
**Trade Name:** Refer to individual company's name  
**Other Name:** Acid Perms (Ester-free)  
**Product Use:** Permanent waving of hair.  
**Creation Date:** August, 2006  
**Revision Date:** October, 2007

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

These products are classified as: Xn, Harmful. Xi, Irritating. Hazardous according to the criteria of ASCC. Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

**Risk Phrases:** R22, R36. Harmful if swallowed. Irritating to eyes.

**Safety Phrases:** S20, S45, S24/25. When using, do not eat or drink. In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre immediately (show the label where possible). Avoid contact with skin and eyes.

**SUSDP Classification:** None allocated.

**ADG Classification:** None allocated. Not a Dangerous Good under the ADG Code.

**UN Number:** None allocated

## Emergency Overview

**Physical Description & Colour:** Liquids of various colour and viscosities.

**Odour:** Characteristic odour.

**Major Health Hazards:** harmful if swallowed, eye irritant.

## Potential Health Effects

### Inhalation:

**Short Term Exposure:** Available data indicates that these products are not harmful. In addition product is unlikely to cause any discomfort or irritation.

### Skin Contact:

**Short Term Exposure:** Available data indicates that these products are a skin irritant. Symptoms may include itchiness and bleaching of contacted skin.

### Eye Contact:

**Short Term Exposure:** These products are an eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms may also become evident. Lengthy exposure or delayed treatment may cause permanent damage.

### Ingestion:

**Short Term Exposure:** Significant oral exposure is considered to be unlikely. Available data shows that these products are harmful, but symptoms are not available. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.

### Carcinogen Status:

**ASCC:** No significant ingredient is classified as carcinogenic by ASCC.

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** Hydrogen Peroxide is Class 3 - unclassifiable as to carcinogenicity to humans.

See the IARC website for further details. A web address has not been provided as addresses frequently change.

### Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Ammonia	7664-41-7	<0.5	17	24
Hydrogen peroxide	7722-84-1	<3	1.4	not set
Thioglycolic acid, monoammonium salt *	5421-46-5	<11	not set	not set
Propanoic acid, 2-mercapto- *	79-42-5	<10	not set	not set
Ammonium thiolactate *	13419-67-5	<22	not set	not set
Other non hazardous ingredients	secret	to 100	not set	not set

\* These concentrations show what is present after mixing. However, as the activator concentrate, they are present at somewhat higher concentrations - as high as 60% of the concentrate mixture.

This is a commercial product whose exact ratio of components may vary slightly. Varying quantities of other non hazardous ingredients are also present.

The ASCC TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

### Section 4 - First Aid Measures

#### General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

**Inhalation:** No first aid measures normally required. However, if inhalation has occurred, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

**Skin Contact:** Wash gently and thoroughly with water (use non-abrasive soap if necessary) for 5 minutes or until product is removed.

**Eye Contact:** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Obtain medical attention immediately. Take special care if exposed person is wearing contact lenses.

**Ingestion:** If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

### Section 5 - Fire Fighting Measures

**Fire and Explosion Hazards:** There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness.

Fire decomposition products from this product are likely to be irritating if inhaled.

**Extinguishing Media:** Not Combustible. Use extinguishing media suited to burning materials.

**Fire Fighting:** No special measures necessary for this type of product.

**Flash point:** Does not burn.

**Upper Flammability Limit:** Does not burn.

**Lower Flammability Limit:** Does not burn.

**Autoignition temperature:** Not applicable - does not burn.

**Flammability Class:** Does not burn.

### Section 6 - Accidental Release Measures

**Accidental release:** While cleaning up a spill, wear goggles and gloves. Absorb onto suitable absorbent material like vermiculite, sand or kitty litter. Sweep up and shovel or collect recoverable product, and dispose of promptly. After sweeping up, wash area with water. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

### Section 7 - Handling and Storage

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed.

**Storage:** Store in a cool, well ventilated area, out of direct sunlight. Check packaging - there may be further storage instructions on the label.

### Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

<b>ASCC Exposure Limits</b>	<b>TWA (mg/m<sup>3</sup>)</b>	<b>STEL (mg/m<sup>3</sup>)</b>
Ammonia	17	24
Hydrogen peroxide	1.4	not set

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. The use of exhaust fans is strongly recommended.

**Eye Protection:** Eye protection is recommended when these products are being used. You are strongly encouraged to wear protective glasses or goggles.

**Skin Protection:** We suggest that routine unprotected and long term contact with these products should be avoided and that suitable gloves should be worn during use.

**Protective Material Types:** We suggest that protective clothing be made from the following materials: rubber, PVC.

**Respirator:** Usually, no respirator is necessary when using this product.

### Section 9 - Physical and Chemical Properties:

<b>Physical Description &amp; colour:</b>	Liquids of various colour and viscosities.
<b>Odour:</b>	Characteristic odour.
<b>Boiling Point:</b>	Approximately 100°C at 100kPa.
<b>Freezing/Melting Point:</b>	Approximately 0°C.
<b>Volatiles:</b>	Water component.
<b>Specific Gravity:</b>	1.00-1.05 (typical)
<b>Water Solubility:</b>	Completely soluble in water.
<b>pH:</b>	7.0-8.0 (when mixed)

### Section 10 - Stability and Reactivity

**Reactivity:** These products are unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

**Conditions to Avoid:** This product should be kept in a cool place, preferably below 30°C. Keep containers and surrounding areas well ventilated. Keep isolated from combustible materials. Protect this product from light.

**Incompatibilities:** reducing agents, combustible materials.

**Fire Decomposition:** These products are likely to decompose only after heating to dryness, followed by further strong heating. oxygen gas.

**Polymerisation:** This product will not undergo polymerisation reactions.

### Section 11 - Toxicological Information

**Local Effects:**

**Target Organs:** skin, eyes

### Classification of Hazardous Ingredients

Ingredient

Risk Phrases

No ingredient mentioned in the HSIS Database is present in this product at hazardous concentrations.

### Section 12 - Ecological Information

Insufficient data to be sure of status. Treat as potentially harmful to aquatic organisms.

### Section 13 - Disposal Considerations

**Disposal:** Small quantities as used in a salon may safely be flushed down the sink. However, if you have old or redundant stock, call your local council, or your supplier for disposal advice.

### Section 14 - Transport Information

**Not relevant for in-salon use.**

### Section 15 - Regulatory Information

**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations. The following ingredients: Ammonia, Hydrogen peroxide, are mentioned in the SUSDP.

### Section 16 - Other Information

**This SDS contains only safety-related information. For other data see product literature.**

**Acronyms:**

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>ASCC</b>	Office of the Australian Safety and Compensation Council
<b>CAS Number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSDP</b>	Standard for the Uniform Scheduling of Drugs & Poisons
<b>UN Number</b>	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the ASCC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

Prepared by Kilford & Kilford Pty Ltd, October, 2007.

<http://www.kilford.com.au/> Phone (02)9251 4532

### Section 1 - Identification of Chemical Product and Company

**Substance:** Water solution of ingredients.  
**Trade Name:** Refer to individual company's name  
**Other Name:** Alkaline Perms & Relaxers  
**Product Use:** In-salon preparation for permanent waving of hair.  
**Creation Date:** August, 2006  
**Revision Date:** October, 2007

### Section 2 - Hazards Identification

#### Statement of Hazardous Nature

These products are classified as: Xn, Harmful. Xi, Irritating. Hazardous according to the criteria of ASCC. Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

**Risk Phrases:** R22, R36. Harmful if swallowed. Irritating to eyes.

**Safety Phrases:** S20, S25. When using, do not eat or drink. Avoid contact with eyes.

**SUSDP Classification:** S5.

**ADG Classification:** None allocated. Not a Dangerous Good under the ADG Code.

**UN Number:** None allocated

### Emergency Overview

**Physical Description & Colour:** Liquid - various colours and consistencies.

**Odour:** Characteristic odour of thioglycolate.

**Major Health Hazards:** harmful if swallowed, eye irritant.

### Potential Health Effects

#### Inhalation:

**Short Term Exposure:** Available data indicates that this product may be mildly irritating, although unlikely to cause anything more than mild transient discomfort.

#### Skin Contact:

**Short Term Exposure:** Available data indicates that these products are mildly irritating, but is unlikely to cause anything more than mild discomfort which should disappear once contact ceases.

#### Eye Contact:

**Short Term Exposure:** These products are an eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms may also become evident. Lengthy exposure or delayed treatment may cause permanent damage.

#### Ingestion:

**Short Term Exposure:** These products are an oral irritant. Symptoms may include burning sensation and reddening of skin in mouth and throat.

#### Carcinogen Status:

**ASCC:** No significant ingredient is classified as carcinogenic by ASCC.

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** Hydrogen Peroxide is Class 3 - unclassifiable as to carcinogenicity to humans.

See the IARC website for further details. A web address has not been provided as addresses frequently change.

### Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Ammonia	7664-41-7	<2	17	24
Thioglycolic acid-, monoammonium salt	5421-46-5	<12	not set	not set
Hydrogen peroxide	7722-84-1	<3	1.4	not set
Bromic acid, sodium salt	7789-38-0	<10.5	not set	not set
Other non hazardous ingredients	secret	to 100	not set	not set

**Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)**

This is a commercial product whose exact ratio of components may vary slightly. Varying quantities of other non hazardous ingredients are also present.

The ASCC TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

#### **Section 4 - First Aid Measures**

##### **General Information:**

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

**Inhalation:** First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

**Skin Contact:** Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until product is removed.

**Eye Contact:** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water until the product is removed, and irritation ceased while holding the eyelid(s) open. Take special care if exposed person is wearing contact lenses.

**Ingestion:** If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

#### **Section 5 - Fire Fighting Measures**

**Fire and Explosion Hazards:** There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Only small quantities of decomposition products are expected from this products at temperatures normally achieved in a fire. This will only occur after heating to dryness.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

**Extinguishing Media:** Not Combustible. Use extinguishing media suited to burning materials.

**Fire Fighting:** If a significant quantity of these products are involved in a fire, call the fire brigade.

**Flash point:** Does not burn.

**Upper Flammability Limit:** Does not burn.

**Lower Flammability Limit:** Does not burn.

**Autoignition temperature:** Does not burn.

**Flammability Class:** Does not burn.

#### **Section 6 - Accidental Release Measures**

**Accidental release:** While cleaning up a spill, wear goggles and gloves. Absorb onto suitable absorbent material like vermiculite, sand or kitty litter. Sweep up and shovel or collect recoverable product, and dispose of promptly. After sweeping up, wash area with water. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

#### **Section 7 - Handling and Storage**

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed.

**Storage:** Store in a cool, well ventilated area. Check packaging - there may be further storage instructions on the label.

### Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

ASCC Exposure Limits	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Ammonia	17	24
Hydrogen peroxide	1.4	not set

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. The use of exhaust fans is strongly recommended.

**Eye Protection:** Eye protection is recommended when these products are being used. You are strongly encouraged to wear protective glasses or goggles.

**Skin Protection:** We suggest that you routinely avoid long term contact with all chemical products and that you wear suitable gloves when lengthy skin contact is likely.

**Protective Material Types:** We suggest that protective clothing be made from the following materials: rubber, PVC.

**Respirator:** Usually, no respirator is necessary when using this product.

### Section 9 - Physical and Chemical Properties:

**Physical Description & colour:** Liquid - various colours and consistencies.

**Odour:** Characteristic odour of thioglycolate.

**Boiling Point:** Approximately 100°C at 100kPa.

**Freezing/Melting Point:** Approximately 0°C.

**Specific Gravity:** 1.03-1.05

**Water Solubility:** Completely soluble in water.

**pH:** 8.0-9.5

### Section 10 - Stability and Reactivity

**Reactivity:** These products are unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties. This product must not be mixed with hydrogen peroxide products as a strong reaction will take place, causing the mixture to heat strongly. This may lead to burns to either the salon worker or the customer.

**Conditions to Avoid:** This product should be kept in a cool place, preferably below 30°C. Protect this product from light.

**Incompatibilities:** No particular Incompatibilities.

**Fire Decomposition:** These products are likely to decompose only after heating to dryness, followed by further strong heating. oxygen gas.

**Polymerisation:** This product will not undergo polymerisation reactions.

### Section 11 - Toxicological Information

**Local Effects:**

**Target Organs:** eyes, skin

### Classification of Hazardous Ingredients

Ingredient

Risk Phrases

Ammonia

>=0.5%Conc<5%: Xn; R20; R36/37/38

This means that ammonia is considered to be harmful if swallowed, and irritating to skin, eyes and respiratory system at concentrations between 0.5 and 5%. However, we believe that in actual use, the availability of ammonia from this product and its processes will reduce most of these risks - so they are not included in this SDS.

### Section 12 - Ecological Information

This product range is usually biodegradable. It is not likely to accumulate in the soil or water or cause long term problems.

### Section 13 - Disposal Considerations

**Disposal:** Small quantities as used in a salon may safely be flushed down the sink. However, if you have old or redundant stock, call your local council, or your supplier for disposal advice.

### Section 14 - Transport Information

Not relevant for in-salon use.

### Section 15 - Regulatory Information

**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations. The following ingredients: Ammonia, Hydrogen peroxide, are mentioned in the SUSDP.

### Section 16 - Other Information

**This SDS contains only safety-related information. For other data see product literature.**

#### Acronyms:

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>ASCC</b>	Office of the Australian Safety and Compensation Council
<b>CAS Number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSDP</b>	Standard for the Uniform Scheduling of Drugs & Poisons
<b>UN Number</b>	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the ASCC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

Prepared by Kilford & Kilford Pty Ltd, October, 2007.

<http://www.kilford.com.au/> Phone (02)9251 4532

## Section 1 - Identification of Chemical Product and Company

<b>Substance:</b>	Blend of ingredients; solvent is flammable.
<b>Trade Name:</b>	<b>Refer to individual company's name</b>
<b>Other Name:</b>	<b>Hair Colours (Flammable Liquids)</b>
<b>Product Use:</b>	Hair colouring preparations.
<b>Creation Date:</b>	<b>August, 2006</b>
<b>Revision Date:</b>	<b>October, 2007</b>

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

These products are classified as: Xi, Irritating. F, Flammable. Hazardous according to the criteria of ASCC.

Dangerous according to the Australian Dangerous Goods (ADG) Code.

**Risk Phrases:** R10, R36. Flammable. Irritating to eyes.

**Safety Phrases:** S16, S23, S24/25. Keep away from sources of ignition - No smoking. Do not breathe vapours. Avoid contact with skin and eyes.

The designation above is for Isopropanol based products as IPA is designated as **Irritating to eyes** at above 20%

**SUSDP Classification:** S5.

**ADG Classification:** Class 3 (ETHANOL or ETHANOL SOLUTION)

**UN Number:** 1170

## Emergency Overview

**Physical Description & Colour:** Typically; variously coloured liquids.

**Odour:** Mild or characteristic odour.

**Major Health Hazards:** eye irritant.

## Potential Health Effects

WARNING - This product contains ingredients which may cause skin irritation to certain individuals. A preliminary test according to accompanying directions should be made before use. This product must not be used for dyeing eyelashes or eyebrows; to do so may be injurious to the eye.

### Inhalation:

**Short Term Exposure:** Available data indicates that this product may be mildly irritating, although unlikely to cause anything more than mild transient discomfort.

### Skin Contact:

**Short Term Exposure:** Available data indicates that this product should present no hazards in normal use. However product may be mildly irritating, but is unlikely to cause anything more than mild discomfort which should disappear once contact ceases.

### Eye Contact:

**Short Term Exposure:** These products are an eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms may also become evident. Lengthy exposure or delayed treatment may cause permanent damage.

### Ingestion:

**Short Term Exposure:** Significant oral exposure is considered to be unlikely. However, these products are believed to be mildly irritating to mucous membranes but is unlikely to cause anything more than mild transient discomfort.

### Carcinogen Status:

**ASCC:** No significant ingredient is classified as carcinogenic by ASCC.

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** Isopropanol is Class 3 - unclassifiable as to carcinogenicity to humans.

Resorcinol is Class 3 - unclassifiable as to carcinogenicity to humans.

See the IARC website for further details. A web address has not been provided as addresses frequently change.

### Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Ethanol	64-17-5	<60	1880	not set
Isopropanol	67-63-0	<60	983	1230
Ammonia	7664-41-7	<2	17	24
Ethanolamine	141-43-5	<10	7.5	15
Resorcinol	108-46-3	<2	45	90
phenylenediamines	various	<2	not set	not set
Other non hazardous ingredients	secret	to 100	not set	not set

This is a wide variety of products based on one of the solvents listed above, and thus is flammable.

This is a commercial product whose exact ratio of components may vary slightly. Varying quantities of other non hazardous ingredients are also present.

The ASCC TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

### Section 4 - First Aid Measures

#### General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

**Inhalation:** First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

**Skin Contact:** Wash gently and thoroughly with warm water (use non-abrasive soap if necessary) until product is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts) and wash them before reuse. If irritation persists, repeat flushing and seek medical attention.

**Eye Contact:** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water until the product is removed, while holding the eyelid(s) open. Take special care if exposed person is wearing contact lenses.

**Ingestion:** If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

### Section 5 - Fire Fighting Measures

**Fire and Explosion Hazards:** These products are classified as flammable. There is a moderate risk of an explosion from this product if commercial quantities are involved in a fire. Firefighters should take care and appropriate precautions. Any explosion will likely spread the fire to surrounding materials. Water spray may be used to cool drums involved in a fire, reducing the chances of an explosion.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

**Extinguishing Media:** Preferred extinguishing media are carbon dioxide, dry chemical, foam, water fog. Water fog or fine spray is the preferred medium for large fires. Ensure that no spillage enters drains or water courses.

**Fire Fighting:** If a significant quantity of these products are involved in a fire, call the fire brigade.

**Flash point:** 23-61°C

**Upper Flammability Limit:** Various

**Lower Flammability Limit:** Various

**Autoignition temperature:** No data.

**Flammability Class:** Flammable

### Section 6 - Accidental Release Measures

**Accidental release:** While cleaning up a spill, wear goggles and gloves. Absorb onto suitable absorbent material like vermiculite, sand or kitty litter. Sweep up and shovel or collect recoverable product, and dispose of promptly in a sealed container away from heat, potential sparks and other sources of ignition. After sweeping up, wash area with water. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

### Section 7 - Handling and Storage

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed.

**Storage:** Store in a cool, well ventilated area, out of direct sunlight. Check packaging - there may be further storage instructions on the label.

### Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

<b>ASCC Exposure Limits</b>	<b>TWA (mg/m<sup>3</sup>)</b>	<b>STEL (mg/m<sup>3</sup>)</b>
Ethanol	1880	not set
Isopropanol	983	1230
Ammonia	17	24
Ethanolamine	7.5	15
Resorcinol	45	90

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. The use of exhaust fans is strongly recommended.

**Eye Protection:** Eye protection is recommended when these products are being used. You are strongly encouraged to wear protective glasses or goggles.

**Skin Protection:** We suggest that routine unprotected and long term contact with these products should be avoided and that suitable gloves should be worn during use.

**Protective Material Types:** We suggest that protective clothing be made from the following materials: rubber, PVC.

**Respirator:** Usually, no respirator is necessary when using this product.

### Section 9 - Physical and Chemical Properties:

<b>Physical Description &amp; colour:</b>	Typically; variously coloured liquids.
<b>Odour:</b>	Mild or characteristic odour.
<b>Boiling Point:</b>	Various.
<b>Freezing/Melting Point:</b>	No specific data. Liquid at normal temperatures.
<b>Volatiles:</b>	Varies; solvent is volatile,
<b>Specific Gravity:</b>	Varies; usually about 0.85-0.1.0
<b>Water Solubility:</b>	Usually soluble.
<b>pH:</b>	Varies widely; in the range 5.0-11.7

### Section 10 - Stability and Reactivity

**Reactivity:** These products are unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

**Conditions to Avoid:** This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed. Keep away from sources of sparks or ignition.

**Incompatibilities:** oxidising agents.

**Fire Decomposition:** Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke.

Water, small quantities of nitrogen compounds. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

**Polymerisation:** This product will not undergo polymerisation reactions.

### Section 11 - Toxicological Information

**Local Effects:**

**Target Organs:** eyes

Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)

### Classification of Hazardous Ingredients

Ingredient	Risk Phrases
Isopropanol	Conc $\geq$ 20%: Xi; R36
Ammonia	$\geq$ 0.5%Conc $<$ 5%: Xn; R20; R36/37/38

This means that isopropanol is considered irritating to eyes at concentrations above 20% and that ammonia is considered to be harmful if swallowed, and irritating to skin, eyes and respiratory system at concentrations between 0.5 and 5%. However, we believe that in actual use, the availability of ammonia from these products and their processes will reduce most of these risks - so they are not included in this SDS.

### Section 12 - Ecological Information

This product range is usually biodegradable. It is not likely to accumulate in the soil or water or cause long term problems.

### Section 13 - Disposal Considerations

**Disposal:** Small quantities as used in a salon may safely be flushed down the sink. However, if you have old or redundant stock, call your local council, or your supplier for disposal advice.

### Section 14 - Transport Information

**Not relevant for in-salon use.** However, note the following Dangerous Goods information:

**ADG Code:** 1170, ETHANOL or ETHANOL SOLUTION

**Hazchem Code:** 2[Y]

**Dangerous Goods Class:** Class 3, Flammable liquids.

**Packaging Group:** III

### Section 15 - Regulatory Information

**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations.

### Section 16 - Other Information

**This SDS contains only safety-related information. For other data see product literature.**

#### Acronyms:

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>ASCC</b>	Office of the Australian Safety and Compensation Council
<b>CAS Number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSDP</b>	Standard for the Uniform Scheduling of Drugs & Poisons
<b>UN Number</b>	United Nations Number

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Please read all labels carefully before using product.

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Prepared by Kilford & Kilford Pty Ltd, October, 2007.

<http://www.kilford.com.au/> Phone (02)9251 4532

## Section 1 - Identification of Chemical Product and Company

<b>Substance:</b>	Blend of ingredients.
<b>Trade Name:</b>	<b>Refer to individual company's name</b>
<b>Other Name:</b>	<b>Hair Colour (Permanent/Semipermanent; Cream/Liquid)</b>
<b>Product Use:</b>	Hair salon preparation - colour.
<b>Creation Date:</b>	<b>August, 2006</b>
<b>Revision Date:</b>	<b>October, 2007</b>

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

These products are classified as: Xn, Harmful. Xi, Irritating. Hazardous according to the criteria of ASCC. Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

**Risk Phrases:** R22, R36, R43. Harmful if swallowed. Irritating to eyes. May cause sensitisation by skin contact.

**Safety Phrases:** S20, S25, S28. When using, do not eat or drink. Avoid contact with eyes. After contact with skin, wash immediately with plenty of water.

**SUSDP Classification:** S5

**ADG Classification:** None allocated. Not a Dangerous Good under the ADG Code.

**UN Number:** None allocated

## Emergency Overview

**Physical Description & Colour:** Coloured liquids or viscous creams.

**Odour:** Mild perfumed or ammonia odour.

**Major Health Hazards:** harmful if swallowed, eye irritant, possible skin sensitiser.

## Potential Health Effects

WARNING - This product contains ingredients which may cause skin irritation to certain individuals. A preliminary test according to accompanying directions should be made before use. This product must not be used for dyeing eyelashes or eyebrows; to do so may be injurious to the eye.

### Inhalation:

**Short Term Exposure:** Available data indicates that these products are not harmful. In addition product is unlikely to cause any discomfort or irritation.

### Skin Contact:

**Short Term Exposure:** Classified as a potential sensitiser by skin contact. Exposure to a skin sensitiser, once sensitisation has occurred, may manifest itself as skin rash or inflammation, and in some individuals this reaction can be severe. However product is unlikely to cause any discomfort in normal use.

### Eye Contact:

**Short Term Exposure:** These products are an eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms may also become evident. Lengthy exposure or delayed treatment may cause permanent damage.

### Ingestion:

**Short Term Exposure:** Available data shows that these products are harmful, but symptoms are not available.

### Carcinogen Status:

**ASCC:** No significant ingredient is classified as carcinogenic by ASCC.

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** Resorcinol is Class 3 - unclassifiable as to carcinogenicity to humans.

See the IARC website for further details. A web address has not been provided as addresses frequently change.

### Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Ammonia	7664-41-7	<5	17	24
1,4-Benzenediamine, 2-methyl-, sulfate (1:1)	615-50-9	<5	not set	not set
Resorcinol	108-46-3	<2	45	90
Phenylenediamines	various	<2	not set	not set
Other non hazardous ingredients	secret	to 100	not set	not set
Ethanolamine	141-43-5		7.5	15

This is a commercial product whose exact ratio of components may vary slightly. Varying quantities of other non hazardous ingredients are also present.

The ASCC TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

### Section 4 - First Aid Measures

#### General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

**Inhalation:** First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

**Skin Contact:** Wash gently and thoroughly with warm water (use non-abrasive soap if necessary) until product is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts) and wash them before reuse. If irritation persists, repeat flushing and seek medical attention.

**Eye Contact:** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water until the product is removed, and irritation ceased while holding the eyelid(s) open. Take special care if exposed person is wearing contact lenses.

**Ingestion:** If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

### Section 5 - Fire Fighting Measures

**Fire and Explosion Hazards:** There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

These products are likely to decompose only after heating to dryness, followed by further strong heating. Fire decomposition products from this product are not expected to be hazardous or harmful.

**Extinguishing Media:** Not Combustible. Use extinguishing media suited to burning materials.

**Fire Fighting:** If a significant quantity of these products are involved in a fire, call the fire brigade.

**Flash point:** Does not burn. However, if involved in a fire, may intensify the fire.

**Upper Flammability Limit:** Does not burn.

**Lower Flammability Limit:** Does not burn.

**Autoignition temperature:** Does not burn.

**Flammability Class:** Does not burn.

### Section 6 - Accidental Release Measures

**Accidental release:** While cleaning up a spill, wear goggles and gloves. Absorb onto suitable absorbent material like vermiculite, sand or kitty litter. Sweep up and shovel or collect recoverable product, and dispose of promptly. After sweeping up, wash area with water. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

### Section 7 - Handling and Storage

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed.

**Storage:** Store in a cool, well ventilated area, out of direct sunlight. Check packaging - there may be further storage instructions on the label.

### Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

ASCC Exposure Limits	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Ammonia	17	24
Resorcinol	45	90
Ethanolamine	7.5	15

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. The use of exhaust fans is strongly recommended.

**Eye Protection:** Eye protection is recommended when these products are being used. You are strongly encouraged to wear protective glasses or goggles.

**Skin Protection:** We suggest that routine unprotected and long term contact with these products should be avoided and that suitable gloves should be worn during use.

**Protective Material Types:** We suggest that protective clothing be made from the following materials: rubber, PVC.

**Respirator:** Usually, no respirator is necessary when using this product.

### Section 9 - Physical and Chemical Properties:

<b>Physical Description &amp; colour:</b>	Coloured liquids or viscous creams.
<b>Odour:</b>	Mild perfumed or ammonia odour.
<b>Boiling Point:</b>	Approximately 100°C at 100kPa.
<b>Freezing/Melting Point:</b>	Approximately 0°C.
<b>Specific Gravity:</b>	0.98-1.00 typically
<b>Water Solubility:</b>	Completely soluble in water.
<b>pH:</b>	7.0-11.0 (typically)

### Section 10 - Stability and Reactivity

**Reactivity:** These products are unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

**Conditions to Avoid:** This product should be kept in a cool place, preferably below 30°C. Keep containers and surrounding areas well ventilated. Keep isolated from combustible materials. Protect this product from light.

**Incompatibilities:** reducing agents, combustible materials.

**Fire Decomposition:** These products are likely to decompose only after heating to dryness, followed by further strong heating. oxygen gas.

**Polymerisation:** This product will not undergo polymerisation reactions.

### Section 11 - Toxicological Information

**Local Effects:**

**Target Organs:** 1,4-benzenediamine, 2-methyl-, Sulfate (1:1) is Classed by ASCC as a potential sensitiser by skin contact.

### Classification of Hazardous Ingredients

Ingredient	Risk Phrases
Ammonia	>=0.5%Conc<5%: Xn; R20; R36/37/38
1,4-benzenediamine, 2-methyl-, Sulfate (1:1)	>=3%Conc<25%: Xn; R22; R43

This means that ammonia is considered harmful by inhalation and irritating to skin and eyes and respiratory system at concentrations between 0.5 and 5%.  
Also that 1,4-benzenediamine, 2-methyl-, Sulfate (1:1) is considered to be harmful if swallowed and a skin sensitiser at concentrations between 3 and 25%.

### Section 12 - Ecological Information

This product range is usually biodegradable. It is not likely to accumulate in the soil or water or cause long term problems.

### Section 13 - Disposal Considerations

**Disposal:** Small quantities as used in a salon may safely be flushed down the sink. However, if you have old or redundant stock, call your local council, or your supplier for disposal advice.

### Section 14 - Transport Information

Not relevant for in-salon use.

### Section 15 - Regulatory Information

**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations. The following ingredients: Ammonia, Ethanolamine, are mentioned in the SUSDP.

### Section 16 - Other Information

**This SDS contains only safety-related information. For other data see product literature.**

#### Acronyms:

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>ASCC</b>	Office of the Australian Safety and Compensation Council
<b>CAS Number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSDP</b>	Standard for the Uniform Scheduling of Drugs & Poisons
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IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the ASCC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

Prepared by Kilford & Kilford Pty Ltd, October, 2007.

<http://www.kilford.com.au/> Phone (02)9251 4532

## Section 1 - Identification of Chemical Product and Company

<b>Substance:</b>	Blend of ingredients.
<b>Trade Name:</b>	<b>Refer to individual company's name</b>
<b>Other Name:</b>	<b>Hair Colours (Aerosol)</b>
<b>Product Use:</b>	Hair colour preparation - presented as an aerosol mousse or foam.
<b>Creation Date:</b>	<b>August, 2006</b>
<b>Revision Date:</b>	<b>October, 2007</b>

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

These products are classified as: Xn, Harmful. Xi, Irritating. Hazardous according to the criteria of ASCC. Dangerous according to the Australian Dangerous Goods (ADG) Code.

**Risk Phrases:** R20, R43, R36/37. Harmful by inhalation. May cause sensitisation by skin contact. Irritating to eyes and respiratory system.

**Safety Phrases:** S23, S25, S28, S38. Do not breathe spray mist. Avoid contact with eyes. After contact with skin, wash immediately with plenty of water. In case of insufficient ventilation, wear suitable respiratory equipment.

**SUSDP Classification:** S5

**ADG Classification:** Class 2.1, (AEROSOLS)

**UN Number:** 1950

## Emergency Overview

**Physical Description & Colour:** Coloured foam.

**Odour:** Mild odour.

**Major Health Hazards:** irritating to eyes and respiratory system, harmful if inhaled, possible skin sensitiser.

## Potential Health Effects

WARNING - This product contains ingredients which may cause skin irritation to certain individuals. A preliminary test according to accompanying directions should be made before use. This product must not be used for dyeing eyelashes or eyebrows; to do so may be injurious to the eye.

**BEWARE: Deliberately sniffing or inhaling concentrated spray can be harmful or fatal.**

### Inhalation:

**Short Term Exposure:** Available data shows that these products are harmful, but is an unlikely exposure route. In addition product is an inhalation irritant. Symptoms may include headache, irritation of nose and throat and increased secretion of mucous in the nose and throat. Other symptoms may also become evident, but they should disappear after exposure has ceased.

### Skin Contact:

**Short Term Exposure:** Major health effect from these products are misuse of the aerosol function. If sprayed continuously on skin or in eyes, it can cause frostbite.

### Eye Contact:

**Short Term Exposure:** If sprayed directly in the eye, this product will irritate. If spraying is prolonged, it may cause damage through frostbite.

### Ingestion:

**Short Term Exposure:** Significant oral exposure is considered to be unlikely. These products are unlikely to cause any irritation problems in the short or long term.

### Carcinogen Status:

**ASCC:** No significant ingredient is classified as carcinogenic by ASCC.

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** Resorcinol is Class 3 - unclassifiable as to carcinogenicity to humans.

See the IARC website for further details. A web address has not been provided as addresses frequently change.

### Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Alkanes, C <sub>3-4</sub> (propellant)	68475-59-2	<10	not set	not set
Ammonia	7664-41-7	<5 17	24	
1,4-Benzenediamine, 2-methyl-, sulfate (1:1)	615-50-9	<5 not set	not set	
Resorcinol	108-46-3	<2 45	90	
Ethanolamine	141-43-5	<10	7.5	15
Ethanol	64-17-5	<10	1880	not set
Other non hazardous ingredients	secret	to 100	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Varying quantities of other non hazardous ingredients are also present.

The ASCC TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

### Section 4 - First Aid Measures

Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

#### General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

**Inhalation:** First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

**Skin Contact:** Wash gently and thoroughly with warm water (use non-abrasive soap if necessary) until product is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts) and wash them before reuse. If irritation persists, repeat flushing and seek medical attention.

**Eye Contact:** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water until the product is removed, while holding the eyelid(s) open. Take special care if exposed person is wearing contact lenses.

**Ingestion:** If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

### Section 5 - Fire Fighting Measures

**Fire and Explosion Hazards:** There is a slight risk of an explosion from this product if commercial quantities are involved in a fire.

Only small quantities of decomposition products are expected from this products at temperatures normally achieved in a fire. This will only occur after heating to dryness.

Fire decomposition products from this product are likely to be harmful if inhaled. Take suitable protective measures.

**Extinguishing Media:** Preferred extinguishing media are carbon dioxide, dry chemical, foam, water fog. Foam is the preferred medium for large fires. Ensure that no spillage enters drains or water courses.

**Fire Fighting:** If a significant quantity of these products are involved in a fire, call the fire brigade.

**Flash point:** Not available

**Upper Flammability Limit:** Not available

**Lower Flammability Limit:** Not available

**Autoignition temperature:** Does not burn.

**Flammability Class:** Does not burn.

### Section 6 - Accidental Release Measures

**Accidental release:** While cleaning up a spill, wear goggles and gloves. Absorb onto suitable absorbent material like vermiculite, sand or kitty litter. Sweep up and shovel or collect recoverable product, and dispose of promptly. After sweeping up, wash area with water. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

**Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)**

### Section 7 - Handling and Storage

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed.

**Storage:** Store in a cool, well ventilated area, out of direct sunlight. Check packaging - there may be further storage instructions on the label.

### Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

<b>ASCC Exposure Limits</b>	<b>TWA (mg/m<sup>3</sup>)</b>	<b>STEL (mg/m<sup>3</sup>)</b>
Ammonia	17	24
Resorcinol	45	90
Ethanolamine	7.5	15
Ethanol	1880	not set

**Ventilation:** This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. The use of exhaust fans is strongly recommended.

**Eye Protection:** Eye protection is recommended when these products are being used. You are strongly encouraged to wear protective glasses or goggles.

**Skin Protection:** We suggest that routine unprotected and long term contact with these products should be avoided and that suitable gloves should be worn during use.

**Protective Material Types:** We suggest that protective clothing be made from the following materials: rubber, PVC.

**Respirator:** Usually, no respirator is necessary when using this product.

### Section 9 - Physical and Chemical Properties:

<b>Physical Description &amp; colour:</b>	Coloured foam.
<b>Odour:</b>	Mild odour.
<b>Boiling Point:</b>	Approximately 100°C at 100kPa.
<b>Freezing/Melting Point:</b>	Approximately 0°C.
<b>Water Solubility:</b>	Completely soluble in water.
<b>pH:</b>	6.0-11.0 (typically)

### Section 10 - Stability and Reactivity

**Reactivity:** These products are unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

**Conditions to Avoid:** This product should be kept in a cool place, preferably below 30°C. Keep containers and surrounding areas well ventilated. Keep isolated from combustible materials. Protect this product from light.

**Incompatibilities:** reducing agents, combustible materials.

**Fire Decomposition:** These products are likely to decompose only after heating to dryness, followed by further strong heating. oxygen gas.

**Polymerisation:** This product will not undergo polymerisation reactions.

### Section 11 - Toxicological Information

**Local Effects:**

**Target Organs:** skin, eyes.

1,4-benzenediamine, 2-methyl-, Sulfate (1:1) is Classified by ASCC as a potential sensitiser by skin contact.

### Classification of Hazardous Ingredients

Ingredient	Risk Phrases
Ammonia	>=0.5%Conc<5%: Xn; R20; R36/37/38
1,4-benzenediamine, 2-methyl-, Sulfate (1:1)	>=3%Conc<25%: Xn; R22; R43

**Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)**

This means that ammonia is considered to be harmful if swallowed, and irritating to skin, eyes and respiratory system at concentrations between 0.5 and 5%. However, we believe that in actual use, the availability of ammonia from this product and its processes will reduce most of these risks - so they are not included in this SDS.

It also means that 1,4-benzenediamine, 2-methyl-, Sulfate (1:1) is Harmful if swallowed (R22) and a possible skin sensitiser (R43) at concentrations of 3-25%

### **Section 12 - Ecological Information**

This product range is usually biodegradable. It is not likely to accumulate in the soil or water or cause long term problems.

### **Section 13 - Disposal Considerations**

**Disposal:** Small quantities as used in a salon may safely be flushed down the sink. However, if you have old or redundant stock, call your local council, or your supplier for disposal advice.

### **Section 14 - Transport Information**

**Not relevant for in-salon use.** However, note the following Dangerous Goods information:

**ADG Code:** 1950, AEROSOLS

**Hazchem Code:** 3[Z]

**Special Provisions:** SP63, SP190, SP229, SP227

**Dangerous Goods Class:** Class 2.1, Flammable gases.

**Packaging Group:** Not applicable.

### **Section 15 - Regulatory Information**

**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations. The following ingredients: Ammonia, Ethanolamine, are mentioned in the SUSDP.

### **Section 16 - Other Information**

**This SDS contains only safety-related information. For other data see product literature.**

#### **Acronyms:**

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>ASCC</b>	Office of the Australian Safety and Compensation Council
<b>CAS Number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSDP</b>	Standard for the Uniform Scheduling of Drugs & Poisons
<b>UN Number</b>	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the ASCC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

Prepared by Kilford & Kilford Pty Ltd, October, 2007.

<http://www.kilford.com.au/> Phone (02)9251 4532

## Section 1 - Identification of Chemical Product and Company

<b>Substance:</b>	Resin in a suitable solvent/propellant system.
<b>Trade Name:</b>	<b>Refer to individual company's name</b>
<b>Other Name:</b>	<b>Hair Sprays/Lacquers (Aerosol)</b>
<b>Product Use:</b>	Hair styling preparation.
<b>Creation Date:</b>	<b>August, 2006</b>
<b>Revision Date:</b>	<b>October, 2007</b>

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

These products are classified as: Xn, Harmful. Hazardous according to the criteria of ASCC.

Dangerous according to the Australian Dangerous Goods (ADG) Code.

**Risk Phrases:** R22. Harmful if swallowed.

**Safety Phrases:** S20, S25, S45. When using, do not eat or drink. Avoid contact with eyes. In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre immediately (show the label where possible).

**SUSDP Classification:** None allocated.

**ADG Classification:** Class 2.1, (AEROSOLS)

**UN Number:** 1950

## Emergency Overview

**Physical Description & Colour:** Clear liquids.

**Odour:** Characteristic odour.

**Major Health Hazards:** harmful if swallowed.

## Potential Health Effects

Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

### Inhalation:

**Short Term Exposure:** Available data indicates that these products are not harmful. However product may be mildly irritating, although unlikely to cause anything more than mild transient discomfort.

**Long Term Exposure:** No data for health effects associated with long term inhalation.

### Skin Contact:

**Short Term Exposure:** Major health effect from these products are misuse of the aerosol function. If sprayed continuously on skin or in eyes, it can cause frostbite.

### Eye Contact:

**Short Term Exposure:** If sprayed directly in the eye, this product will irritate. If spraying is prolonged, it may cause damage through frostbite.

### Ingestion:

**Short Term Exposure:** Significant oral exposure is considered to be unlikely. These products are unlikely to cause any irritation problems in the short or long term.

### Carcinogen Status:

**ASCC:** No significant ingredient is classified as carcinogenic by ASCC.

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** No significant ingredient is classified as carcinogenic by IARC.

### Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Alkanes, C <sub>3-4</sub>	68475-59-2	30-50	not set	not set
Ethane, 1,1-difluoro-	75-37-6	10 approx	not set	not set
dimethyl ether	115-10-6	30-40	760	950
Ethanol	64-17-5	40-65	1880	not set
Other non hazardous ingredients	secret	to 100	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Varying quantities of other non hazardous ingredients are also present.

The ASCC TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

### Section 4 - First Aid Measures

#### General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

**Inhalation:** First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

**Skin Contact:** Wash gently and thoroughly with warm water (use non-abrasive soap if necessary) until product is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts) and wash them before reuse. If irritation persists, repeat flushing and seek medical attention.

**Eye Contact:** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water until the product is removed, while holding the eyelid(s) open. Take special care if exposed person is wearing contact lenses.

**Ingestion:** If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

### Section 5 - Fire Fighting Measures

**Fire and Explosion Hazards:** These products are classified as flammable. There is a moderate risk of an explosion from this product if commercial quantities are involved in a fire. Firefighters should take care and appropriate precautions. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

**Extinguishing Media:** Preferred extinguishing media are carbon dioxide, dry chemical, foam, water fog. Foam is the preferred medium for large fires. Ensure that no spillage enters drains or water courses.

**Fire Fighting:** If a significant quantity of these products are involved in a fire, call the fire brigade.

**Flash point:** -87°C (propellant gases)

**Upper Flammability Limit:** 9.5%

**Lower Flammability Limit:** 1.9%

**Autoignition temperature:** No data.

**Flammability Class:** Flammable

### Section 6 - Accidental Release Measures

**Accidental release:** While cleaning up a spill, wear goggles and gloves. Absorb onto suitable absorbent material like vermiculite, sand or kitty litter. Sweep up and shovel or collect recoverable product, and dispose of promptly in a sealed container away from heat, potential sparks and other sources of ignition. After sweeping up, wash area with water. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

### Section 7 - Handling and Storage

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed.

**Storage:** Store in a cool, well ventilated area, out of direct sunlight. Check packaging - there may be further storage instructions on the label.

### Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

<b>ASCC Exposure Limits</b>	<b>TWA (mg/m<sup>3</sup>)</b>	<b>STEL (mg/m<sup>3</sup>)</b>
dimethyl ether	760	950
Ethanol	1880	not set

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. The use of exhaust fans is strongly recommended.

**Eye Protection:** Eye protection is recommended when these products are being used. You are strongly encouraged to wear protective glasses or goggles.

**Skin Protection:** We suggest that routine unprotected and long term contact with these products should be avoided and that suitable gloves should be worn during use.

**Protective Material Types:** We suggest that protective clothing be made from the following materials: rubber, PVC.

**Respirator:** Usually, no respirator is necessary when using this product.

### Section 9 - Physical and Chemical Properties:

<b>Physical Description &amp; colour:</b>	Clear liquids.
<b>Odour:</b>	Characteristic odour.
<b>Boiling Point:</b>	Not available.
<b>Freezing/Melting Point:</b>	No specific data. Liquid at normal temperatures.
<b>Specific Gravity:</b>	0.86-0.90
<b>Water Solubility:</b>	Completely soluble.
<b>pH:</b>	Typically 6.0-8.5

### Section 10 - Stability and Reactivity

**Reactivity:** These products are unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

**Conditions to Avoid:** This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed. Keep containers and surrounding areas well ventilated.

**Incompatibilities:** strong oxidising agents.

**Fire Decomposition:** Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Hydrogen fluoride gas and other compounds of fluorine. Water. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

**Polymerisation:** This product will not undergo polymerisation reactions.

### Section 11 - Toxicological Information

**Local Effects:**

**Target Organs:** skin, eyes

### Classification of Hazardous Ingredients

Ingredient	Risk Phrases
No ingredient mentioned in the HSIS Database is present in this product at hazardous concentrations.	

### Section 12 - Ecological Information

This product range is usually biodegradable. It is not likely to accumulate in the soil or water or cause long term problems.

### Section 13 - Disposal Considerations

**Disposal:** Small quantities as used in a salon may safely be flushed down the sink. However, if you have old or redundant stock, call your local council, or your supplier for disposal advice.

### Section 14 - Transport Information

**Not relevant for in-salon use.** However, note the following Dangerous Goods information:

**ADG Code:** 1950, AEROSOLS

**Hazchem Code:** 3[Z]

**Special Provisions:** SP63, SP190, SP229, SP227

**Dangerous Goods Class:** Class 2.1, Flammable gases.

**Packaging Group:** Not applicable.

### Section 15 - Regulatory Information

**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations.

### Section 16 - Other Information

**This SDS contains only safety-related information. For other data see product literature.**

#### Acronyms:

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>ASCC</b>	Office of the Australian Safety and Compensation Council
<b>CAS Number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSDP</b>	Standard for the Uniform Scheduling of Drugs & Poisons
<b>UN Number</b>	United Nations Number

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Please read all labels carefully before using product.

This SDS is prepared in accord with the ASCC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

Prepared by Kilford & Kilford Pty Ltd, October, 2007.

<http://www.kilford.com.au/> Phone (02)9251 4532

## Section 1 - Identification of Chemical Product

**Substance:** Water suspension/solution of ingredients. Presented as an aerosol  
**Trade Name:** Refer to individual company's name  
**Other Names:** Aerosol Mousses  
**Product Use:** To style and condition hair  
**Creation Date:** August, 2006  
**Revision Date:** October, 2007

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

These products are classified as: Not classified as hazardous according to the criteria of ASCC.  
Dangerous according to the Australian Dangerous Goods (ADG) Code.

**Risk Phrases:** Not Hazardous - No criteria found.

**Safety Phrases:** Not Hazardous - No criteria found.

**SUSDP Classification:** None allocated.

**ADG Classification:** Class 2.1, (AEROSOLS)

**UN Number:** 1950

## Emergency Overview

**Physical Description & Colour:** Typically; white foam.

**Odour:** Various odours and fragrances.

**Major Health Hazards:** no significant risk factors have been found for this product.

## Potential Health Effects

**BEWARE:** Deliberately sniffing or inhaling concentrated spray can be harmful or fatal.

### Inhalation:

**Short Term Exposure:** Available data indicates that these products are not harmful or irritating by inhalation.

### Skin Contact:

**Short Term Exposure:** Available data indicates that these products are not harmful. It should present no hazards or discomfort in normal use.

### Eye Contact:

**Short Term Exposure:** This product may be mildly irritating, to eyes, but is unlikely to cause anything more than mild transient discomfort.

### Ingestion:

**Short Term Exposure:** Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.

### Chronic effects:

Prolonged or repeated exposure may lead to skin dryness.

### Carcinogen Status:

**ASCC:** No significant ingredient is classified as carcinogenic by ASCC.

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** No significant ingredient is classified as carcinogenic by IARC.

### Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Alkanes, C <sub>3-4</sub>	68475-59-2	<15	not set	not set
Ethyl alcohol	64-17-5	<20	1880	not set
Other ingredients	various	to 100	not set	not set

Varying quantities of other non hazardous ingredients are also present.

The ASCC TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

### Section 4 - First Aid Measures

#### General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

**Inhalation:** First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

**Skin Contact:** Gently blot away excess product. Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until product is removed.

**Eye Contact:** No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.

**Ingestion:** If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

### Section 5 - Fire Fighting Measures

**Fire and Explosion Hazards:** These products are classified as flammable. There is a moderate risk of an explosion from this product if commercial quantities are involved in a fire. Firefighters should take care and appropriate precautions.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

**Extinguishing Media:** Preferred extinguishing media are carbon dioxide, dry chemical, foam, water fog. Water fog or fine spray is the preferred medium for large fires. Ensure that no spillage enters drains or water courses.

**Fire Fighting:** Immediately evacuate the area of unnecessary personnel.

**Flash point:** Propellant flashes at -87°C. However, flash point of this product has not been tested.

**Upper Flammability Limit:** Not available

**Lower Flammability Limit:** Not available

**Autoignition temperature:** Does not burn.

**Flammability Class:** Flammable

### Section 6 - Accidental Release Measures

**Accidental release:** Absorb onto suitable absorbent material like vermiculite, sand or kitty litter. Sweep up and shovel or collect recoverable product, and dispose of promptly. After sweeping up, wash area with water. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

### Section 7 - Handling and Storage

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed.

**Storage:** Store in a cool, well ventilated area. Check packaging - there may be further storage instructions on the label.

## Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

<b>ASCC Exposure Limits</b>	<b>TWA (mg/m<sup>3</sup>)</b>	<b>STEL (mg/m<sup>3</sup>)</b>
Ethyl alcohol	1880	not set

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. The use of exhaust fans is strongly recommended.

**Eye Protection:** Eye protection is recommended when these products are being used. You are strongly encouraged to wear protective glasses or goggles.

**Skin Protection:** We suggest that routine unprotected and long term contact with these products should be avoided and that suitable gloves should be worn during use.

**Protective Material Types:** We suggest that protective clothing be made from the following materials: rubber, PVC.

**Respirator:** Usually, no respirator is necessary when using this product.

## Section 9 - Physical and Chemical Properties:

<b>Physical Description &amp; colour:</b>	Typically; white foam.
<b>Odour:</b>	Various odours and fragrances.
<b>Volatiles:</b>	Water and propellant components.
<b>Vapour Pressure:</b>	2.37 kPa at 20°C (water vapour pressure). 448-517kPa (propellant).
<b>Specific Gravity:</b>	Typically 0.95 – 1.05 g/mL
<b>Water Solubility:</b>	Completely soluble in water.
<b>pH:</b>	Typically 4-7

## Section 10 - Stability and Reactivity

**Reactivity:** These products are unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

**Conditions to Avoid:** This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed.

**Incompatibilities:** No particular Incompatibilities.

**Fire Decomposition:** These products are likely to decompose only after heating to dryness, followed by further strong heating. Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

**Polymerisation:** This product will not undergo polymerisation reactions.

## Section 11 - Toxicological Information

**Local Effects:**

**Target Organs:** none known

## Classification of Hazardous Ingredients

Ingredient

Risk Phrases

No ingredient mentioned in the HSIS Database is present in this product at hazardous concentrations.

## Section 12 - Ecological Information

This product range is usually biodegradable. It is not likely to accumulate in the soil or water or cause long term problems.

### Section 13 - Disposal Considerations

**Disposal:** Small quantities as used in a salon may safely be flushed down the sink. However, if you have old or redundant stock, call your local council, or your supplier for disposal advice.

### Section 14 - Transport Information

Not relevant for in-salon use.

### Section 15 - Regulatory Information

**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations.

### Section 16 - Other Information

**This SDS contains only safety-related information. For other data see product literature.**

**Acronyms:**

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>ASCC</b>	Office of the Australian Safety and Compensation Council
<b>CAS Number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSDP</b>	Standard for the Uniform Scheduling of Drugs & Poisons
<b>UN Number</b>	United Nations Number

Please read all labels carefully before using product.

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Prepared by Kilford & Kilford Pty Ltd, October, 2007.  
<http://www.kilford.com.au/> Phone (02)9251 4532

## Section 1 - Identification of Chemical Product and Company

**Substance:** Water solution of surfactants and other minor ingredients.  
**Trade Name:** Refer to individual company's name  
**Other names** Shampoos  
**Product Use:** To cleanse hair and scalp.  
**Creation Date:** August, 2006  
**Revision Date:** October, 2007

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

These products are classified as: Not classified as hazardous according to the criteria of ASCC.  
Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

**Risk Phrases:** R66. Repeated exposure may cause skin dryness or cracking.

**Safety Phrases:** S24/25. Avoid contact with skin and eyes.

**SUSDP Classification:** None allocated.

**ADG Classification:** None allocated. Not a Dangerous Good under the ADG Code.

**UN Number:** None allocated

## Emergency Overview

**Physical Description & Colour:** Viscous liquids of various colours and degrees of opacity.

**Odour:** Various fragrances.

**Major Health Hazards:** no significant risk factors have been found for this product.

## Potential Health Effects

### Inhalation:

**Short Term Exposure:** Available data indicates that these products are not harmful. In addition product is unlikely to cause any discomfort or irritation.

### Skin Contact:

**Short Term Exposure:** Available data indicates that these products are not harmful. It should present no hazards or discomfort in normal use. Frequent and/or lengthy contact may cause defatting due to the detergent action of the product.

### Eye Contact:

**Short Term Exposure:** These products are believed to be mildly irritating, to eyes, but is unlikely to cause anything more than mild transient discomfort.

### Ingestion:

**Short Term Exposure:** Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort. May cause nausea and vomiting.

### Carcinogen Status:

**ASCC:** No significant ingredient is classified as carcinogenic by ASCC.

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** No significant ingredient is classified as carcinogenic by IARC.

### Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Non hazardous surfactants *	secret	<20	not set	not set
Other non hazardous ingredients	secret	<10	not set	not set
Water	7732-18-5	to 100	not set	not set

\* Includes anionic non-ionic and amphoteric types such as sodium laureth sulfate, sodium or ammonium lauryl sulfate, cocoamido propyl betaines and others.

This is a commercial product whose exact ratio of components may vary slightly. Varying quantities of other non hazardous ingredients are also present.

The ASCC TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

### Section 4 - First Aid Measures

#### General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

**Inhalation:** First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

**Skin Contact:** Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until product is removed.

**Eye Contact:** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water until the product is removed, while holding the eyelid(s) open. Obtain medical advice immediately if irritation occurs. Take special care if exposed person is wearing contact lenses.

**Ingestion:** If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

### Section 5 - Fire Fighting Measures

**Fire and Explosion Hazards:** There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Only small quantities of decomposition products are expected from this products at temperatures normally achieved in a fire. This will only occur after heating to dryness.

Fire decomposition products from this product are likely to be harmful if inhaled. Take suitable protective measures.

**Extinguishing Media:** Not Combustible. Use extinguishing media suited to burning materials.

**Fire Fighting:** If a significant quantity of these products are involved in a fire, call the fire brigade.

**Flash point:** Does not burn.

**Upper Flammability Limit:** Does not burn.

**Lower Flammability Limit:** Does not burn.

**Autoignition temperature:** Not applicable - does not burn.

**Flammability Class:** Does not burn.

### Section 6 - Accidental Release Measures

**Accidental release:** Absorb onto suitable absorbent material like vermiculite, sand or kitty litter. Sweep up and shovel or collect recoverable product, and dispose of promptly. After sweeping up, wash area with water. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

## Section 7 - Handling and Storage

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed.

**Storage:** Store in a cool, well ventilated area, out of direct sunlight. Check packaging - there may be further storage instructions on the label.

## Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

**ASCC Exposure Limits**                      **TWA (mg/m<sup>3</sup>)**    **STEL (mg/m<sup>3</sup>)**

Exposure limits have not been established by ASCC for any of the significant ingredients in this product.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. The use of exhaust fans is strongly recommended.

**Eye Protection:** Eye protection is recommended when these products are being used. You are strongly encouraged to wear protective glasses or goggles.

**Skin Protection:** We suggest that routine unprotected and long term contact with these products should be avoided and that suitable gloves should be worn during use.

**Protective Material Types:** We suggest that protective clothing be made from the following materials: rubber, PVC.

**Respirator:** Usually, no respirator is necessary when using this product.

## Section 9 - Physical and Chemical Properties:

**Physical Description & colour:** Viscous liquids of various colours and degrees of opacity.

**Odour:** Various fragrances.

**Boiling Point:** Approximately 100°C at 100kPa.

**Freezing/Melting Point:** Approximately 0°C.

**Volatiles:** Water component.

**Specific Gravity:** 1.0-1.1 (typically)

**Water Solubility:** Completely soluble in water.

**pH:** 4.5-7.5 (typically)

**Viscosity:** Various.

## Section 10 - Stability and Reactivity

**Reactivity:** These products are unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

**Conditions to Avoid:** None known.

**Incompatibilities:** No particular Incompatibilities.

**Fire Decomposition:** Only small quantities of decomposition products are expected from this products at temperatures normally achieved in a fire. This will only occur after heating to dryness. Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres. Oxides of sulfur (sulfur dioxide is a respiratory hazard) and other sulfur compounds. Most will have a foul odour. Water. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

**Polymerisation:** This product will not undergo polymerisation reactions.

## Section 11 - Toxicological Information

**Local Effects:**

**Target Organs:** none known

## Classification of Hazardous Ingredients

Ingredient

Risk Phrases

No ingredient mentioned in the HSIS Database is present in this product at hazardous concentrations.

## Section 12 - Ecological Information

This product range is usually biodegradable. It is not likely to accumulate in the soil or water or cause long term problems.

## Section 13 - Disposal Considerations

**Disposal:** Small quantities as used in a salon may safely be flushed down the sink. However, if you have old or redundant stock, call your local council, or your supplier for disposal advice.

## Section 14 - Transport Information

Not relevant for in-salon use.

## Section 15 - Regulatory Information

**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations.

## Section 16 - Other Information

**This SDS contains only safety-related information. For other data see product literature.**

**Acronyms:**

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>ASCC</b>	Office of the Australian Safety and Compensation Council
<b>CAS Number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSDP</b>	Standard for the Uniform Scheduling of Drugs & Poisons
<b>UN Number</b>	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

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Prepared by Kilford & Kilford Pty Ltd, October, 2007.

<http://www.kilford.com.au/> Phone (02)9251 4532

## Section 1 - Identification of Chemical Product and Company

**Substance:** Water solution of surfactants and other minor ingredients.  
**Trade Name:** Refer to individual company's name  
**Other Name:** Conditioners and Treatments  
**Product Use:** To condition and beautify hair after cleansing.  
**Creation Date:** August, 2006  
**Revision Date:** October, 2007

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

These products are classified as: Not classified as hazardous according to the criteria of ASCC.  
Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

**Risk Phrases:** R66. Repeated exposure may cause skin dryness or cracking.

**Safety Phrases:** S24/25. Avoid contact with skin and eyes.

**SUSDP Classification:** None allocated.

**ADG Classification:** None allocated. Not a Dangerous Good under the ADG Code.

**UN Number:** None allocated

## Emergency Overview

**Physical Description & Colour:** Viscous liquids of various colours and degrees of opacity.

**Odour:** Various fragrances.

**Major Health Hazards:** no significant risk factors have been found for these products.

## Potential Health Effects

### Inhalation:

**Short Term Exposure:** Available data indicates that these products are not harmful. In addition product is unlikely to cause any discomfort or irritation.

### Skin Contact:

**Short Term Exposure:** Available data indicates that these products are not harmful. It should present no hazards or discomfort in normal use.

### Eye Contact:

**Short Term Exposure:** These products are believed to be mildly irritating, to eyes, but is unlikely to cause anything more than mild transient discomfort.

### Ingestion:

**Short Term Exposure:** Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.

### Carcinogen Status:

**ASCC:** No significant ingredient is classified as carcinogenic by ASCC.

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** No significant ingredient is classified as carcinogenic by IARC.

### Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc,%	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Non hazardous surfactants *	secret	<10	not set	not set
Other non hazardous ingredients	secret	<10	not set	not set
Water	7732-18-5	to 100	not set	not set

\* Includes cationic types such certrimonium chloride, certrimonium bromide, stearalkonium chloride and others.

These are commercial products whose exact ratio of components may vary slightly. Varying quantities of other non hazardous ingredients are also present.

The ASCC TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

### Section 4 - First Aid Measures

#### General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

**Inhalation:** First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

**Skin Contact:** Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until product is removed.

**Eye Contact:** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water until the product is removed, while holding the eyelid(s) open. Obtain medical advice immediately if irritation occurs. Take special care if exposed person is wearing contact lenses.

**Ingestion:** If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

### Section 5 - Fire Fighting Measures

**Fire and Explosion Hazards:** There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Only small quantities of decomposition products are expected from this products at temperatures normally achieved in a fire. This will only occur after heating to dryness.

Fire decomposition products from this product are likely to be harmful if inhaled. Take suitable protective measures.

**Extinguishing Media:** Not Combustible. Use extinguishing media suited to burning materials.

**Fire Fighting:** If a significant quantity of these products are involved in a fire, call the fire brigade.

**Flash point:** Does not burn.

**Upper Flammability Limit:** Does not burn.

**Lower Flammability Limit:** Does not burn.

**Autoignition temperature:** Not applicable - does not burn.

**Flammability Class:** Does not burn.

### Section 6 - Accidental Release Measures

**Accidental release:** Absorb onto suitable absorbent material like vermiculite, sand or kitty litter. Sweep up and shovel or collect recoverable product, and dispose of promptly. After sweeping up, wash area with water. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

### Section 7 - Handling and Storage

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed.

**Storage:** Store in a cool, well ventilated area, out of direct sunlight. Check packaging - there may be further storage instructions on the label.

### Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

**ASCC Exposure Limits**                      **TWA (mg/m<sup>3</sup>)**                                      **STEL (mg/m<sup>3</sup>)**

Exposure limits have not been established by ASCC for any of the significant ingredients in this product.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. The use of exhaust fans is strongly recommended.

**Eye Protection:** Eye protection is recommended when these products are being used. You are strongly encouraged to wear protective glasses or goggles.

**Skin Protection:** We suggest that routine unprotected and long term contact with these products should be avoided and that suitable gloves should be worn during use.

**Protective Material Types:** We suggest that protective clothing be made from the following materials: rubber, PVC.

**Respirator:** Usually, no respirator is necessary when using this product.

### Section 9 - Physical and Chemical Properties:

**Physical Description & colour:** Viscous liquids of various colours and degrees of opacity.

**Odour:** Various fragrances.

**Boiling Point:** Approximately 100°C at 100kPa.

**Freezing/Melting Point:** Approximately 0°C.

**Volatiles:** Water component.

**Specific Gravity:** 0.95-1.10 (typically)

**Water Solubility:** Completely soluble in water.

**pH:** 2.5-5.5 (typically)

**Viscosity:** Varies from product to product.

### Section 10 - Stability and Reactivity

**Reactivity:** These products are unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

**Conditions to Avoid:** None known.

**Incompatibilities:** No particular Incompatibilities.

**Fire Decomposition:** Only small quantities of decomposition products are expected from this products at temperatures normally achieved in a fire. This will only occur after heating to dryness. Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres. Oxides of sulfur (sulfur dioxide is a respiratory hazard) and other sulfur compounds. Most will have a foul odour. Water. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

**Polymerisation:** This product will not undergo polymerisation reactions.

### Section 11 - Toxicological Information

**Local Effects:**

**Target Organs:** none known

### Classification of Hazardous Ingredients

Ingredient

Risk Phrases

No ingredient mentioned in the HSIS Database is present in these products at hazardous concentrations.

### Section 12 - Ecological Information

This product range is usually biodegradable. It is not likely to accumulate in the soil or water or cause long term problems.

### Section 13 - Disposal Considerations

**Disposal:** Small quantities as used in a salon may safely be flushed down the sink. However, if you have old or redundant stock, call your local council, or your supplier for disposal advice.

### Section 14 - Transport Information

Not relevant for in-salon use.

### Section 15 - Regulatory Information

**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations.

### Section 16 - Other Information

**This SDS contains only safety-related information. For other data see product literature.**

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<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
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