

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

**SAFETY  
DATA SHEETS**

**IMPORTANT**

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

**October 2012**

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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.



























































## Section 1 - Identification of The Material and Supplier

<b>Chemical nature:</b>	Water solutions of ingredients.
<b>Trade Name:</b>	<b>Refer to individual company's name</b>
<b>Other Name:</b>	<b>Acid Perms (ester-free)</b>
<b>Product Use:</b>	Permanent waving of hair.
<b>Creation Date:</b>	<b>August, 2006</b>
<b>This version issued:</b>	<b>October, 2012</b>

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

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

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.

**SUSMP 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:

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

**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 SWA 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**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA 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 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 SUSMP.

## 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, 7th Edition
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>SWA</b>	Safe Work Australia, formerly ASCC and NOHSC
<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>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & 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 SWA document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

## Section 1 - Identification of The Material and Supplier

<b>Chemical nature:</b>	Water solution of ingredients.
<b>Trade Name:</b>	<b>Refer to individual company's name</b>
<b>Other Name:</b>	<b>Alkaline Perms &amp; Relaxers</b>
<b>Product Use:</b>	In-salon preparation for permanent waving of hair.
<b>Creation Date:</b>	<b>August, 2006</b>
<b>This version issued:</b>	<b>October, 2012</b>

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

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

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.

**SUSMP Classification:** None allocated.

**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:

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

**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

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

The SWA 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**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA 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:

<b>Physical Description &amp; colour:</b>	Liquid - various colours and consistencies.
<b>Odour:</b>	Characteristic odour of thioglycolate.
<b>Boiling Point:</b>	Approximately 100°C at 100kPa.
<b>Freezing/Melting Point:</b>	Approximately 0°C.
<b>Specific Gravity:</b>	1.03-1.05
<b>Water Solubility:</b>	Completely soluble in water.
<b>pH:</b>	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 SUSMP.

### 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, 7th Edition
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>SWA</b>	Safe Work Australia, formerly ASCC and NOHSC
<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>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & Poisons
<b>UN Number</b>	United Nations Number

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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.

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## Section 1 - Identification of The Material and Supplier

<b>Chemical nature:</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>This version issued:</b>	<b>October, 2012</b>

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

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

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%

**SUSMP 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:

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

**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 SWA 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:

#### Fire Fighting:

<b>Flash point:</b>	23-61°C
<b>Upper Flammability Limit:</b>	Various
<b>Lower Flammability Limit:</b>	Various
<b>Autoignition temperature:</b>	No data.
<b>Flammability Class:</b>	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**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

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

## Classification of Hazardous Ingredients

Ingredient	Risk Phrases
Isopropanol	Conc>=20%: Xi; R36
Ammonia	>=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, 7th Edition
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>SWA</b>	Safe Work Australia, formerly ASCC and NOHSC
<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>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & 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 SWA document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

## Section 1 - Identification of The Material and Supplier

<b>Chemical nature:</b>	Blend of ingredients.
<b>Trade Name:</b>	<b>Refer to individual company's name</b>
<b>Other Name:</b>	<b>Hair Colour (Permanent/Semi permanent; Cream/Liquid)</b>
<b>Product Use:</b>	Hair salon preparation - colour.
<b>Creation Date:</b>	<b>August, 2006</b>
<b>This version issued:</b>	<b>October, 2012</b>

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

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

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.

**SUSMP 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:

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

**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 SWA 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**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA 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:

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

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

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

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

**Specific Gravity:** 0.98-1.00 typically

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

**pH:** 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 SWA 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 SUSMP.

## 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, 7th Edition
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>SWA</b>	Safe Work Australia, formerly ASCC and NOHSC
<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>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & 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 SWA document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

## Section 1 - Identification of The Material and Supplier

<b>Chemical nature:</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>This version issued:</b>	<b>October, 2012</b>

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

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

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.

**SUSMP 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:

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

**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 SWA 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: Fire Fighting: 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.

### 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**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
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 Classed by SWA 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 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 SUSMP.

## 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, 7th Edition
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>SWA</b>	Safe Work Australia, formerly ASCC and NOHSC
<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>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & 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 SWA document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

## Section 1 - Identification of The Material and Supplier

<b>Chemical nature:</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, 2002</b>
<b>This version issued:</b>	<b>October, 2012</b>

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

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

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).

**SUSMP 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:

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

**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-dimethyl ether	75-37-6	10 approx	not set	not set
Ethanol	115-10-6	30-40	760	950
Other non hazardous ingredients	64-17-5	40-65	1880	not set
	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 SWA 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: Fire Fighting: 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**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
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, 7th Edition
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>SWA</b>	Safe Work Australia, formerly ASCC and NOHSC
<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>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & 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 SWA document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

## Section 1 - Identification of Chemical Product

**Chemical nature:** 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  
**This version issued:** October, 2012

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

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

**Risk Phrases:** Not Hazardous - No criteria found.

**Safety Phrases:** Not Hazardous - No criteria found.

**SUSMP 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:

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

**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 SWA 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: Fire Fighting: 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**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
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 0.74-0.88
<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, 7th Edition
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>SWA</b>	Safe Work Australia, formerly ASCC and NOHSC
<b>CAS Number</b>	Chemical Abstracts Service Registry Number
<b>IARC</b>	International Agency for Research on Cancer
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & Poisons
<b>UN Number</b>	United Nations Number

Please read all labels carefully before using product.

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

## Section 1 - Identification of The Material and Supplier

<b>Chemical nature:</b>	Water solution of surfactants and other minor ingredients.
<b>Trade Name:</b>	<b>Refer to individual company's name</b>
<b>Other names</b>	<b>Shampoos</b>
<b>Product Use:</b>	To cleanse hair and scalp.
<b>Creation Date:</b>	<b>August, 2006</b>
<b>This version issued:</b>	<b>October, 2012</b>

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

These products are classified as: May be classified as hazardous according to the criteria of SWA.

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

**May be R36.** Irritating to eyes. (depending on Sodium lauryl sulfate concentration).

**Risk Phrases:** R66. Repeated exposure may cause skin dryness or cracking.

**Safety Phrases:** S24/25. Avoid contact with skin and eyes.

**SUSMP Classification:** Usually none allocated.

**NOTE: some shampoos contain Sodium lauryl sulfate and so may be classed as S6 poisons.**

**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.

Sodium lauryl sulfate is a skin and eye irritant in rabbits, and skin irritation has been observed in clinical studies in humans. It is also reported to irritate the respiratory tract and oral mucosa, especially in individuals predisposed to recurrent mouth ulcers.

## 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.

**If an eye irritant** due to Sodium lauryl sulfate concentration, Symptoms may include stinging and reddening of eyes and watering which may become copious

### 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:

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

**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
Sodium lauryl sulfate	151-21-3	up to 30	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, 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 SWA 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**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

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

Exposure limits have not been established by SWA 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. 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. Sodium lauryl sulfate is mentioned in the SUSMP.

### 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, 7th Edition
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>SWA</b>	Safe Work Australia, formerly ASCC and NOHSC
<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>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & 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 SWA document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

## Section 1 - Identification of The Material and Supplier

<b>Chemical nature:</b>	Water solution of surfactants and other minor ingredients.
<b>Trade Name:</b>	<b>Refer to individual company's name</b>
<b>Other Name:</b>	<b>Conditioners and Treatments</b>
<b>Product Use:</b>	To condition and beautify hair after cleansing, or before or after other hair treatments.
<b>Creation Date:</b>	<b>August, 2006</b>
<b>This version issued:</b>	<b>October, 2012</b>

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

These products are classified as: Not classified as hazardous according to the criteria of SWA.

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.

**SUSMP 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:

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

**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 SWA 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**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

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

Exposure limits have not been established by SWA 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.

#### Acronyms:

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th Edition
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>SWA</b>	Safe Work Australia, formerly ASCC and NOHSC
<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>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & Poisons
<b>UN Number</b>	United Nations Number

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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.

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## Section 1 - Identification of The Material and Supplier

<b>Chemical nature:</b>	Water solution of hydrolysed keratin and other minor ingredients.
<b>Trade Name:</b>	<b>Refer to individual company's names</b>
<b>Other Names:</b>	Hair Styling Products
<b>Product Use:</b>	Hair smoothing/anti frizz/hair taming products.
<b>Creation Date:</b>	<b>October, 2012</b>
<b>This version issued:</b>	<b>October, 2012</b>

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

This product is classified as: Not classified as hazardous according to the criteria of SWA.

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

**Risk Phrases:** Not Hazardous - No criteria found.

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

**SUSMP 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 creamy liquids of various colours and fragrances.

**Odour:** Variety of 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 this product is not harmful. In addition product is unlikely to cause any discomfort or irritation.

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

### Skin Contact:

**Short Term Exposure:** Available data indicates that this product is not harmful. It should present no hazards in normal use. In addition product is unlikely to cause any discomfort in normal use.

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

### Eye Contact:

**Short Term Exposure:** This product may be mildly irritating to eyes, but is unlikely to cause anything more than mild discomfort which should disappear once product is removed.

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

### 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.

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

### Carcinogen Status:

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

**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> )
Hydrolysed keratin	69430-36-0	less than 10	not set	not set
Other non hazardous ingredients	various	to 100	not set	not set
Water	7732-18-5	to 100	not set	not set

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

The SWA 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:** The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

This product is likely to decompose only after heating to dryness, followed by further strong heating.

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:** If a significant quantity of this product is 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**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

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

Exposure limits have not been established by SWA 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:** No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that vapours and mists are minimised.

**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 creamy liquids of various colours and fragrances.

**Odour:** Variety of 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:** This product is 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:** No specific data. Based on composition of proteins and fats, the following might be expected: Carbon dioxide, and if combustion is incomplete, carbon monoxide and possibly smoke. Nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Oxides of sulfur (sulfur dioxide is a respiratory hazard) and other sulfur compounds; also 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:** There is no data to hand indicating any particular target organs.

## 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 is 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.

### Section 16 - Other Information

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

#### Acronyms:

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<b>SWA</b>	Safe Work Australia, formerly ASCC and NOHSC
<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
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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.

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