SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION: PRODUCT IDENTIFIER/CHEMICAL IDENTITY

1.1 PRODUCT IDENTIFIER: **Evolution of the Color Cube 4.66I**

1.2 PRODUCT CODE: PF005980

1.3 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST:

RELEVANT IDENTIFIED USES: Permanent cosmetic colouring cream.

RESTRICTIONS ON USE: Hair colourants can cause severe allergic reactions. This product contains ingredients which may cause skin irritation or sensitisation to certain individuals. A preliminary test according to the directions accompanying the product 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. The product is not intended for use in individuals under the age of 16 years. Temporary black henna tattoos may increase the risk of an allergic reaction. Do not colour hair if there is a rash on the face; sensitive, irritated or damaged scalp; the person has ever experienced a reaction after colouring hair; or, they have experienced a reaction previously to a temporary black henna tattoo.

1.4 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

SUPPLIER NAME: Alfhair Australia Pty Ltd (ABN: 60 095 773 274),
ADDRESS (Australia): 15 Concorde Drive, Keilor Park, VIC, Australia, 3042
TELEPHONE NUMBER (Australia): +61 3 9336 2088 (Int); Fax: +61 3 9336 2044 (Int)
SUPPLIER NAME (New Zealand): Salon Warehouse NZ,
ADDRESS (New Zealand): Unit G, 11 Douglas Alexander Parade, Albany – Auckland, NZ
TELEPHONE NUMBER (New Zealand): 09 555 5730
E-MAIL: sales@alfaparf.com.au

1.5 EMERGENCY TEL. NUMBER: Australia: 0407 236 601
(Poisons Information Centre (Aust 131 126; NZ 0800 764 766))

1.6 HSNO DETAILS:

HSNO APPROVAL NUMBER: HSR002552

HSNO GROUP TITLE: Cosmetic Products Group Standard 2006.

SECTION 2 – HAZARD(S) IDENTIFICATION

2.1 CLASSIFICATION OF THE HAZARDOUS CHEMICAL:

GHS CLASSIFICATION HAZARD

CLASS & CATEGORY: Under the Model Work Health and Safety Regulations the product would be rated as hazardous:
Skin Corrosion/Irritation - Category 1B
Sensitisation - Skin - Category 1
Chronic Aquatic Toxicity - Category 3

2.2 LABEL ELEMENTS INCLUDING PRECAUTIONARY STATEMENTS:

SIGNAL WORD: Danger

PICTOGRAMS:

HAZARD STATEMENTS: H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
H412 - Harmful to aquatic life with long lasting effects.

SAFETY DATA SHEET

SECTION 2 – HAZARD(S) IDENTIFICATION Continued

PRECAUTIONARY STATEMENTS:

PREVENTION:
P102 - Keep out of reach of children.
P103 - Read label before use.
P260 - Do not breathe vapours.
P264 - Wash hands thoroughly after handling.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

RESPONSE:
P101 - If medical advice is needed, have product container or label at hand.
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTRE or doctor/physician.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.

STORAGE:
P405 - Store locked up.

DISPOSAL:
P501 - Dispose of contents/container in accordance with local regulations.

2.3 OTHER HAZARDS:
Excessive exposure may result in irritation to the respiratory system. People with pre-existing skin conditions, such as eczema or dermatitis, should take precautions so as not to exacerbate the condition. As for all chemical products, persons should not expose open wounds, cuts, abrasions or irritated skin to this material.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	Concentration % W/W	GHS Classification*
Ethanol, 2-amino (Monoethanolamine)	141-43-5	4.0 - 6.0%	Acut Tox 4 - H302 Acut Tox 4 - H312 Skin Corr 1B - H314 Acut Tox 4 - H332
Castor oil, hydrogenated, ethoxylated (PEG-40 Hydrogenated Castor Oil)	61788-85-0	2.0 - 4.0%	Eye Irrit 2A - H319
Ammonium hydroxide (Ammonia)	1336-21-6	2.0 - 3.0%	Acut Tox 4 - H302 Skin Corr 1B - H314 Acut Tox 4 - H332 Acut Aq Tox 1 - H400 AUH071
1H-Pyrazole-1-ethanol, 4,5-diamino-, sulfate (1:1) salt (1-Hydroxyethyl 4,5-Diamino Pyrazole Sulfate)	155601-30-2	2.0 - 3.0%	Skin Sen 1 - H317 Eye Dam 1 - H318 Chron Aq Tox 2 - H411
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts (Cocamidopropyl betaine)	61789-40-0	1.0 - 1.5%	Eye Irrit 2A - H319 Acut Aq Tox 1 - H400
1-Tetradecanol (Myristyl alcohol)	112-72-1	1.0 - 1.2%	Eye Irrit 2A - H319 Chron Aq Tox 1 - H410
3-Aminophenol (*m*-Aminophenol)	591-27-5	0.7% - <1.0%	Acut Tox 4 - H302 Skin Sen 1 - H317 Acut Tox 4 - H332 Chron Aq Tox 2 - H411

SAFETY DATA SHEET

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS Cont'd

INGREDIENTS	CAS NUMBER	Concentration % W/W	GHS Classification*
Ethanol, 2-(2,4-diaminophenoxy)-, dihydrochloride (2,4-Diaminophenoxyethanol HCl)	66422-95-5	0.7% - <1.0%	Acut Tox 4 - H302 Skin Sen 1 - H317 Eye Irrit 2A - H319 Chron Aq Tox 2 - H411
4-Aminophenol (*p*-Aminophenol)	123-30-8	0.3 - 0.5%	Acut Tox 4 - H302 Skin Sen 1 - H317 Acut Tox 4 - H332 Muta 2 - H341 STOT RE 2 - H373 Chron Aq Tox 1 - H410
Sulfurous acid, disodium salt (Sodium sulfite)	7757-83-7	0.3 - 0.4%	Acut Tox 4 - H302 Eye Dam 1 - H318
Spiro[isobenzofuran-1(3H),9'-[9H]xanthen]-3-one, 2',4',5',7'-tetrabromo-4,5,6,7-tetrachloro-3',6'-dihydroxy-, disodium salt (Acid Red 92)	18472-87-2	0.3 - 0.4%	Eye Irrit 2A - H319 Chron Aq Tox 1 - H410
1,3-Benzenediol (Resorcinol)	108-46-3	< 0.1%	Acut Tox 4 - H302 Skin Irrit 2 - H315 Skin Sen 1 - H317 Eye Irrit 2A - H319 Acut Aq Tox 1 - H400
Ethanol, 2-[(2-nitrophenyl)amino]- (HC Yellow No. 2)	4926-55-0	< 0.05%	Acut Tox 4 - H302 Skin Irrit 2 - H315 Eye Irrit 2A - H319
1-Dodecanaminium, N-[3-[[4-(dimethylamino)benzoyl]amino]propyl]-N,N-dimethyl-, salt with 4-methylbenzenesulfonic acid (1:1) (Dimethylpabamidopropyl laurdimonium tosylate)	156679-41-3	< 0.05%	Skin Sen 1 - H317 Eye Dam 1 - H318 Chron Aq Tox 1 - H410
Other non-hazardous ingredients	-	To 100%	Not Applic

Not Applic = Not Applicable * Please see Section 15 of this SDS for the full text description of the Label Elements.

SECTION 4 – FIRST AID MEASURES

4.1 DESCRIPTION OF NECESSARY FIRST AID MEASURES:

INGESTION: If swallowed, rinse mouth out with water. Do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. The product has a relatively high pH. As the product is rated as corrosive, after rinsing the mouth immediately call a Poisons Information Centre (Tel. Australia 13 11 26; New Zealand 0800 764 766) or doctor/ physician.

EYE*:* If in eyes, hold eyelids apart and flush the eye immediately with large amounts of running water. Continue flushing for at least 15 minutes or until advised to stop by a Doctor. Check for contact lenses. If there are contact lenses, these should be removed after several minutes of rinsing by the exposed person or medical personnel if it can be done easily. As the product is rated as a Corrosive that Causes severe eye damage, after flushing, immediately call a Poisons Information Centre or doctor/ physician.

SAFETY DATA SHEET

SECTION 4 – FIRST AID MEASURES Continued

SKIN CONTACT: If skin or hair contact has occurred remove any contaminated clothing and footwear, wash skin or hair thoroughly with soap and water. As the product is rated as a Corrosive that Causes severe skin burns, after flushing, immediately call a Poisons Information Centre or doctor/physician.

INHALATION: If affected, remove the patient from further exposure into fresh air, if safe to do so. If providing assistance, avoid exposure to yourself - only enter contaminated environments with adequate respiratory equipment. Once removed, lay patient down in a well-ventilated area and reassure them whilst waiting for medical assistance. If not breathing, provide artificial respiration and seek immediate medical assistance. If unconscious, place in a recovery position and seek immediate medical assistance. If irritation develops/persists, consult a Doctor. As the product is a corrosive, if vapours are inhaled and the person has difficulty breathing, immediately call a Poisons Information Centre or doctor/physician.

PROTECTION FOR FIRST AIDERS: No personnel shall place themselves in a situation that is potentially hazardous to themselves. If the person has ingested the product, do not use direct mouth-to-mouth resuscitation techniques. Always ensure that you are wearing gloves when dealing with first aid procedures involving chemicals and/or blood.

FIRST AID FACILITIES: Eye wash fountain and safety showers, or at least a source of flowing water, are recommended in the area where the product is used.

4.2 MOST IMPORTANT SYMPTOMS & EFFECTS, BOTH ACUTE & DELAYED, CAUSED BY EXPOSURE:

ACUTE: The product is rated as Causes severe skin burns and eye damage. Eye contact may lead to severe eye irritation or in worst case scenario possible eye burns and irreversible damage. Skin contact may lead to irritation and possible skin burns. Inhalation of vapours may lead to severe irritation of the mouth and upper respiratory tract with a burning sensation, pain, burns and inflammation in the nose and throat; there may also be coughing, wheezing, tightness in the chest or difficulty breathing. Ingestion of the product could lead to severe gastrointestinal tract irritation with nausea, vomiting and potentially burns.

CHRONIC: Skin contact may aggravate/exacerbate existing skin conditions, such as dermatitis. The product is rated as May cause an allergic skin reaction.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NECESSARY:

ADVICE TO DOCTOR: Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:

SUITABLE MEDIA: Use extinguishing media appropriate for surrounding fire. Use carbon dioxide, alcohol-resistant foam, dry chemical or water spray. Spray down fumes resulting from fire.

UNSUITABLE MEDIA: Avoid using full water jet directed at residual burning material once the aqueous component has evaporated. Water may cause splattering on hot residue.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

COMBUSTION HAZARDS: Combustion of the residual material after evaporation of the aqueous component may produce oxides of carbon and small amounts of nitrogen and sulfur as well as smoke and irritating vapours.

5.3 ADVICE FOR FIREFIGHTERS:

FIRE: This product is not flammable under conditions of use. Once the aqueous component has evaporated, the residue will be combustible. Keep storage tanks, pipelines, fire exposed surfaces, etc. cool with water spray.

HAZCHEM CODE: 2X.

SAFETY DATA SHEET

SECTION 5 – FIRE FIGHTING MEASURES Continued

EXPLOSION: No information to indicate that the product is an explosion hazard. Extinguish all sources of flame or spark. Closed containers may explode when exposed to extreme heat.

PROTECTIVE EQUIPMENT: In the event of a fire, wear full protective clothing and self-contained breathing equipment with full-face piece operated in the pressure demand or other positive pressure mode.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

PERSONAL PROTECTION: For small spills, wear PVC, Nitrile or Neoprene gloves, glasses/goggles, boots and full-length clothing. During routine operation for a small spill in the open a respirator is not required. For large spills, or in confined spaces, a full chemically resistant body-suit is recommended. If in doubt about potential oxygen deficiency wear self-contained breathing apparatus.

CONTROL MEASURES: Ventilate area and extinguish and/or remove all sources of ignition. Stop the leak if safe to do so. CAUTION: The spilled product will be slippery. Avoid contact with the spilled material.

EMERGENCY PROCEDURES: In the event of a spill or accidental release, notify the relevant authorities in accordance with all applicable regulations.

6.2 ENVIRONMENTAL PRECAUTIONS:

SPILL ADVICE: Do not allow product to enter drains, surface water, sewers or watercourses - inform local authorities if this occurs.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

CONTAINMENT: Contain the spill and absorb with a proprietary absorbent material, sand or earth. For large spills prepare a bund/barrier/dyke ahead of the spill to confine the spill and allow later recovery. If there is the possibility of spills to enter drains, surface water, sewers or watercourses ensure bunding, or that drains are covered, to minimise the potential for this to occur.

CLEANING PROCEDURES: Having contained the spill, as mentioned above, collect all material quickly and place used absorbent in suitable containers. Follow local regulations for the disposal of waste. For large spills that have been bunded, the material can be scooped into vessels and returned for reprocessing or destruction. Personnel must wear gloves, goggles or glasses, boots and full-length clothing during cleaning procedures. Wash and rinse the contaminated area and objects with water after spill has been cleared. Do not allow wash water or rinsings to enter drains, surface water, sewers or water courses.

SECTION 7 – HANDLING AND STORAGE, INCLUDING HOW THE CHEMICAL MAY BE SAFELY USED

7.1 PRECAUTIONS FOR SAFE HANDLING:

SAFE HANDLING: If handling in bulk, avoid contact with the product by using appropriate protective equipment such as gloves, glasses or goggles and full-length clothing. Prevent small spills and leakage to avoid slip hazards. Properly dispose of any contaminated rags or cleaning materials. Eating, drinking, and smoking should be prohibited in the area where this material is handled, stored and processed. Workers should follow good personal hygiene practices, such as washing hands before eating, drinking and smoking. The product is a hair colouring agent. When using these products, personnel must wear gloves, glasses, full length clothing and an apron. Remove contaminated clothing and protective equipment before entering eating areas. Keep containers tightly closed when not in use. Prevent product from entering waterways, drains or sewers.

SAFETY DATA SHEET

SECTION 7 – HANDLING AND STORAGE, INCLUDING HOW THE CHEMICAL MAY BE SAFELY USED Continued

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATABILITIES:

SAFE STORAGE: Store in a dry, well ventilated area away from direct sunlight, ignition sources, oxidising agents, foodstuffs and clothing. Keep containers closed when not in use. Containers that have been opened must be carefully resealed to prevent leakage.

INCOMPATIBILITIES: Strong oxidising substances including strong acids.

SECTION 8 – EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 EXPOSURE CONTROL MEASURES:

EXPOSURE LIMIT VALUES: Exposure standards for the product have not been established. The following values are applicable for the individual components:

Ammonia (Gas):

TWA:	25 ppm	17 mg/m^3	STEL:	35 ppm	24 mg/m^3

Ethanol, 2-amino-:

TWA:	3 ppm	7.5 mg/m^3	STEL:	6 ppm	15 mg/m^3

1,3-Benzenediol-:

TWA:	10 ppm	45 mg/m^3	STEL:	20 ppm	90 mg/m^3

8.2 BIOLOGICAL MONITORING: No data available.

8.3 CONTROL BANDING: No data available.

8.4 ENGINEERING CONTROLS:

ENGINEERING CONTROLS: Special ventilation is not normally required when using this product in normal use scenarios. However, at elevated temperatures, or in confined spaces vapour may be generated and local exhaust ventilation should be provided to maintain airborne concentration levels below the nominated exposure standard and at an acceptable level that does not cause irritation.

8.5 INDIVIDUAL PROTECTION MEASURES:

EYE & FACE PROTECTION: Wear safety glasses/goggles to avoid eye contact. Use eye protection in accordance with AS 1336 and AS 1337.

SKIN (HAND) PROTECTION: The product is a hair colouring agent. When using the product, personnel must wear gloves to provide hand protection. PVC, Nitrile or Neoprene gloves are recommended.

SKIN (CLOTHING) PROTECTION: The product is a hair colouring agent. During normal operating procedures, long sleeved clothing and an apron are required to avoid skin contact. Soiled clothing should be washed with detergent prior to re-use.

RESPIRATORY PROTECTION: During routine operation a respirator is not required. However, if vapours are generated at a level that is uncomfortable to the individual, an approved half face organic vapour/particulate respirator is required. Use respirators in accordance with AS 1715 and AS 1716.

THERMAL PROTECTION: Not applicable.

SAFETY DATA SHEET

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	Red cream.
ODOUR:	Characteristic.
ODOUR THRESHOLD:	No data available.
pH:	Typically 10.0 - 11.0.
MELTING/FREEZING POINT:	No data available.
INITIAL BOILING POINT:	No data available.
BOILING RANGE (^{o}C):	No data available.
FLASHPOINT (^{o}C):	Not applicable.
EVAPORATION RATE:	No data available.
FLAMMABILITY LIMITS (%):	Not applicable.
VAPOUR PRESSURE(mmHg):	No data available.
VAPOUR DENSITY:	No data available.
DENSITY @ 20.0^{o}C:	No data available.
SOLUBILITY IN WATER(g/L):	Completely miscible.
PARTITION COEFFICIENT:	No data available for n-octanol/water.
AUTO-IGNITION TEMP (^{o}C):	Not applicable.
DECOMPOSITION TEMP (^{o}C):	No data available.
VISCOSITY (cPs):	No data available.

SECTION 10 – STABILITY AND REACTIVITY

10.1 REACTIVITY: The product does not pose any further reactivity hazards other than those listed in the following sub-sections.

10.2 CHEMICAL STABILITY: Stable under recommended storage and handling conditions (see section 7).

10.3 POSSIBILITY OF HAZARDOUS REACTIONS: Keep away from strong oxidising agents, such as strong acids, chlorates, nitrates and peroxides. Hazardous polymerisation does not occur.

10.4 CONDITIONS TO AVOID: Observe the usual precautionary measures for handling chemicals. Do not heat the container, leave it in direct sunlight or leave the container open when not in use.

10.5 INCOMPATIBLE MATERIALS: Strong oxidising agents including concentrated acids.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous decomposition products are not expected to form during normal storage requirements. See Section 5.2 for Hazardous Combustion products.

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:
The product is a mixture and test data is not available for the product as a whole.

Ethanol, 2-amino-:
Oral - LD_{50} (Rat): 1,089 mg/kg bw
Dermal - LD_{50} (Rabbit): 1,025 mg/kg bw

Ammonia:
Oral - LD_{50} (Rat): 350 mg/kg bw (aqueous ammonia solution)

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts:
Oral - LD_{50} (Rat): > 5,000 mg/kg bw (30 - 35.5% aqueous solution)
Dermal - LD_{50} (Rat): >2,000 mg/kg bw (30 - 35.5% aqueous solution)

1-Tetradecanol:
Oral - LD_{50} (Rat): 2,000 mg/kg bw
Dermal - LD_{50} (Rabbit): 8,000 mg/kg bw

SAFETY DATA SHEET

SECTION 11 – TOXICOLOGICAL INFORMATION Continued

Sulfurous acid, disodium salt:
Oral - LD_{50} (Rat): > 2,000 mg/kg bw
Oral - LD_{50} (Mouse): 820 mg/kg bw
Oral - LD_{50} (Rabbit): 600 - 700 mg/kg bw

1,3-Benzenediol-:
Oral - LD_{50} (Rat): 200 - 980 mg/kg bw
Dermal - LD_{50} (Rat): > 2000 mg/kg
Inhalation - LC_{50} (Rat, aerosol, 1 hours): >7.8 mg/l
Inhalation - LC_{50} (Rat, aerosol, 8 hours): >2.8 mg/l

3-Aminophenol:
Oral - LD_{50} (Rat): 812 - 1000 mg/kg bw
Dermal - LD_{50} (Rabbit): > 8000 mg/kg
Inhalation - LC_{50} (Rat): 1.162 mg/l

4-Aminophenol:
Oral - LD_{50} (Rat): 671 mg/kg bw
Dermal - LD_{50} (Rat): > 5000 mg/kg
Inhalation - LC_{50} (Rat): > 3.42 mg/l

11.2 SWALLOWED: This product is expected to be corrosive due to the presence of Monoethanolamine and Ammonia. Ingestion of the product could lead to severe gastrointestinal tract irritation with nausea, vomiting and potentially burns. During normal usage ingestion should not be a means of exposure.

11.3 SKIN CORROSION/ IRRITATION: This product is rated by calculation as Causes severe skin burns. Symptoms may include itchiness, dryness or cracking, flushing, burning sensation, inflammation, erythema (redness), oedema (swelling) and in the worst case scenario skin burns. Prolonged or repeated contact may cause defatting of the skin which may lead to dermatitis. Correct handling procedures incorporating appropriate protective clothing and gloves should minimise the risk of skin irritation. People with pre-existing skin conditions, such as dermatitis, should take extreme care so as not to exacerbate the condition. Results from the Amended Draize Patch Test concluded that the product was not an irritant when it is mixed in its final application ratio.

11.4 SERIOUS EYE DAMAGE/ IRRITATION: The product is rated by calculation as Causes severe eye damage. Eye contact may lead to severe burns, redness, pain, swelling, tearing and blurred vision, as well as permanent eye damage in a worst case scenario. This product must not be used for dyeing eyelashes or eyebrows; to do so may be injurious to the eye. Correct handling procedures incorporating appropriate eye protection should minimise the risk of eye damage or irritation.

11.5 RESPIRATORY OR SKIN SENSITISATION: This product is rated as a May cause an allergic skin reaction. This product is not expected to be a respiratory tract sensitiser, based on the available data and the known hazards of the components.

11.6 GERM CELL MUTAGENICITY: This product is not expected to be mutagenic, based on the available data and the known hazards of the components. The product contains 4-Aminophenol, at levels of <0.5%, which is rated as Suspected of causing genetic defects, however this is present at amounts below the Concentration cut-off level that would indicate that there is a potential hazard.

11.7 CARCINOGENICITY: This product is not expected to be a carcinogen, based on the available data and the known hazards of the components.

11.8 REPRODUCTIVE TOXICITY: This product is not expected to be a reproductive hazard, based on the available data and the known hazards of the components.

SAFETY DATA SHEET

SECTION 11 – TOXICOLOGICAL INFORMATION Continued

11.9 SPECIFIC TARGET ORGAN TOXICITY (STOT) -

SINGLE EXPOSURE: There is no data available for the product as a whole. This product is not expected to cause organ damage from a single exposure, based on the available data and the known hazards of the components. This product is not expected to pose an irritation hazard at ambient temperature or under normal handling conditions. Not classified as a respiratory irritant, however inhalation of vapours or mist (generated at elevated temperatures) may cause irritation to the nose, throat and respiratory system.

11.10 SPECIFIC TARGET ORGAN TOXICITY (STOT) -

REPEATED EXPOSURE: There is no data available for the product as a whole. This product is not expected to cause organ damage from prolonged or repeated exposure, based on the available data and the known hazards of the components as stated by the manufacturer. The product contains 4-Aminophenol, at levels of <0.5%, which is rated as May cause damage to organs through prolonged or repeated exposure through the oral route, however this is present at amounts below the Concentration cut-off level that would indicate that there is a potential hazard.

11.11 ASPIRATION HAZARD: This product is not expected to be an aspiration hazard, based on the available data and the known hazards of the components. However, it is corrosive and the manufacturer recommends that if swallowed, do NOT induce vomiting. If vomiting has occurred after ingestion the person should be observed to ensure that aspiration into the lungs has not occurred.

11.12 OTHER INFORMATION: No additional information is available.

SECTION 12 – ECOLOGICAL INFORMATION

12.1 ECOTOXICITY: The following Ecotoxicity data is applicable to components:

1-Tetradecanol:
LC_{50} (fish, 96hr): 1mg/L.
EC_{50} (Aquatic invertebrates, 48hr): 3.2mg/L.
EL_{50} (Aquatic algae and cyanobacteria, 96hr): 10mg/L.
1,3-Benzenediol:
LC_{50} (fish, 96hr): 26.8 - 29.5mg/L.
LC_{50} (Aquatic invertebrates, 48hr): 1 - 78mg/L.
EC_{50} (Aquatic algae and cyanobacteria, 72hr): 97mg/L.
4-Aminophenol:
LC_{50} (fish, 96hr): 0.82mg/L.
EC_{50} (Aquatic invertebrates, 48hr): 0.182mg/L.
EC_{50} (Aquatic algae and cyanobacteria, 72hr): 0.065 - 253mg/L.
3-Aminophenol:
LC_{50} (fish, 96hr): 82.64 - 313.7mg/L.
EC_{50} (Aquatic invertebrates, 48hr): 1.1 - 3.6mg/L.
EC_{50} (Aquatic algae and cyanobacteria, 72hr): 2.4 - 160mg/L.

There is no data available for the product as a whole. Based upon calculated values, the overall product would be expected to be rated as Harmful to aquatic life with long lasting effects.

12.2 PERSISTENCE & DEGRADABILITY: There is no data available for the product as a whole.

12.3 BIOACCUMULATIVE POTENTIAL: There is no data available for the product as a whole.

12.4 MOBILITY IN SOIL: There is no data available for the product as a whole.

12.5 OTHER ADVERSE EFFECTS: Do not allow the product to reach ground water, water courses or sewage systems. The product is miscible in water.

SAFETY DATA SHEET

SECTION 13 – DISPOSAL CONSIDERATIONS

13.1 DISPOSAL METHODS:

PRODUCT: The product should not be released to the environment, so any unused material should be recycled wherever possible or be disposed of as waste at an appropriate collection depot. Spilled product that cannot be recovered should be absorbed and then shovelled into a suitable waste container, such as a plastic drum and then be treated as a solid waste. Follow Government regulations for disposal of such waste. All unused, waste or spilled product must be taken for recycling or disposal by suitably licensed contractors in accordance with Government regulations.

CONTAINERS: Empty containers may contain residual product. They should be completely drained and then stored until disposed of. Empty containers should be taken for recycling or for disposal through suitably licensed contractors in accordance with Government regulations.

SECTION 14 – TRANSPORT INFORMATION

This product is regulated for land, sea or air transportation.

PLEASE NOTE: A Limited Quantities package size of <5L applies to this product.

14.1 LAND (ADG Code):

UN NUMBER:	1760
UN PROPER SHIPPING NAME:	Corrosive Liquid, N.O.S. (Contains Ethanolamine and Ammonia Solution)
TRANSPORT HAZARD CLASS(ES):	8
PACKAGING GROUP:	III
ENVIRONMENTAL HAZARDS:	Not applicable
SPECIAL PRECAUTIONS FOR USER:	223, 274
HAZCHEM CODE:	2X

14.2 SEA (IMDG):

UN NUMBER:	1760
UN PROPER SHIPPING NAME:	Corrosive Liquid, N.O.S. (Contains Ethanolamine and Ammonia Solution)
TRANSPORT HAZARD CLASS(ES):	8
PACKAGING GROUP:	III
ENVIRONMENTAL HAZARDS:	Not applicable
SPECIAL PRECAUTIONS FOR USER:	274

14.3 AIR (IATA):

UN NUMBER:	1760
UN PROPER SHIPPING NAME:	Corrosive Liquid, N.O.S. (Contains Ethanolamine and Ammonia Solution)
TRANSPORT HAZARD CLASS(ES):	8
PACKAGING GROUP:	III
ENVIRONMENTAL HAZARDS:	Not applicable
SPECIAL PRECAUTIONS FOR USER:	A3, A803.

SAFETY DATA SHEET

SECTION 15 – REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS:
APPLICABLE REGULATIONS:
SUSMP: Workplace product (for professional use only). Not for domestic use.
AICS: All ingredients are on the AICS List.
MONTREAL PROTOCOL: Not applicable to this product.
STOCKHOLM CONVENTION: Not applicable to this product.
ROTTERDAM CONVENTION: Not applicable to this product.
BASEL CONVENTION: Not applicable to this product.
INTERNATIONAL CONVENTION FOR THE PREVENTION OF POLLUTION FROM SHIPS (MARPOL): Not determined.

GHS CLASSIFICATION HAZARD CLASS & CATEGORY AND HAZARD STATEMENT: Acute Toxicity - Oral Category 4; H302 - Harmful if swallowed.
Acute Toxicity - Dermal Category 4; H312 - Harmful in contact with skin.
Skin Corrosion/Irritation Category 1B; H314 - Causes severe skin burns and eye damage.
Skin Corrosion/Irritation Category 2; H315 - Causes skin irritation.
Sensitisation - Skin Category 1; H317 - May cause an allergic skin reaction.
Serious Eye Damage/Irritation Category 1; H318 - Causes serious eye damage.
Serious Eye Damage/Irritation Category 2A; H319 - Causes serious eye irritation.
Acute Toxicity - Inhalation Category 4; H332 - Harmful if inhaled.
Germ Cell Mutagenicity Category 2; H341 - Suspected of causing genetic defects.
STOT (Repeated Exposure) Category 2; H373 - May cause damage to organs through prolonged or repeated exposure through the oral route.
Acute Aquatic Toxicity Category 1; H400 - Very toxic to aquatic life.
Chronic Aquatic Toxicity Category 1; H410 - Very toxic to aquatic life with long lasting effects.
Chronic Aquatic Toxicity Category 2; H411 - Toxic to aquatic life with long lasting effects.
Chronic Aquatic Toxicity Category 3; H412 - Harmful to aquatic life with long lasting effects.
AUH071 - Corrosive to the respiratory tract.

HSNO APPROVAL NUMBER: HSR002552
HSNO GROUP TITLE: Cosmetic Products Group Standard 2006.

SECTION 16 – ANY OTHER RELEVANT INFORMATION

SDS INFORMATION:
Date of SDS Preparation: 24th March 2017 **Revision:** 1.0
REVISION CHANGES: Initial preparation of SDS in new format.
ACRONYMS:

SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
CAS Number	Chemical Abstracts Service Registry Number
EINECS	European Inventory of Existing Commercial Chemical Substances
UN Number	United Nations Number
OSHA	Occupational Safety and Health Administration
ACGIH	American Conference of Governmental Industrial Hygienists
HSE-WEL	Health and Safety Executive - Workplace Exposure Limit
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
IUCLID	International Uniform Chemical Information Database
RTECS	Registry of Toxic Effects of Chemical Substances
%W/W	Percent weight for weight
OECD	Organisation for Economic Co-Operation and Development
ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail
HAZCHEM Code	Emergency action code of numbers and letters which gives information to emergency services

SAFETY DATA SHEET

SECTION 16 – ANY OTHER RELEVANT INFORMATION Continued

ACRONYMS (Continued):

NOHSC	National Occupational Health and Safety Commission
NICNAS	National Industrial Chemicals Notification & Assessment Scheme
IMAP	Inventory Multi-Tiered Assessment and Prioritisation
AICS	Australian Inventory of Chemical Substances
TWA	Time-Weighted Average
STEL	Short Term Exposure Limit
HSNO	Hazardous Substances and New Organisms Act 1996
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
WHS	Work Health and Safety
PPE	Personal Protective Equipment.
LD_{50}	Median Lethal Dose
LC_{50}	Median Lethal Concentration
EC_{50}	Effective Concentration of a substance that causes 50% of the maximum response after exposure for a nominated time
ECHA	European Chemicals Agency
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals

LITERATURE REFERENCES AND SOURCES OF DATA:

OECD Guidelines for Testing of Chemicals
Annex I: OECD Test Guidelines for Studies Included in SIDS
Manual for the Assessment of Chemicals Chapter 2 Data Gathering
International Toxicity Testing Guidelines
Hazardous Chemical Information System - Guidance Material for Hazard Classifications
Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
Model Work Health and Safety Regulations.
Model Work Health and Safety Regulations - Transitional Principles
Workplace Exposure Standards for Airborne Contaminants
Australian Dangerous Goods Code 7th Edition
Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)]
Guidance on the Classification of Hazardous Chemicals under the WHS Regulations
Assigning a Hazardous Substance to a Group Standard
User Guide to the HSNO Thresholds and Classifications
Summary User Guide to the HSNO Thresholds and Classifications of Hazardous Substances
Correlation between GHS and New Zealand HSNO Hazard Classes and Categories
HSNO Control Regulations
Record of Group Standard Assignment
Labelling of Hazardous Substances Hazard and Precautionary Information
Thresholds and Classifications Under the Hazardous Substances and New Organisms Act 1996
Workplace Exposure Standards and Biological Exposure Indices
ECHA Brief Profile for 1-Tetradecanol
ECHA Brief Profile for 3-Aminophenol
ECHA Brief Profile for 4-Aminophenol
NICNAS IMAP Human Health Tier II Assessment for Ammonia and Ammonium Hydroxide CAS Number: 1336-21-6 and 7664-41-7
NICNAS IMAP Human Health Tier II Assessment for Ethanol, 2-amino- CAS Number: 141-43-5
NICNAS IMAP Human Health Tier II Assessment for Sulfites, including Sodium Sulfite CAS Number: 7757-83-7
NICNAS IMAP Human Health Tier II Assessment for 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts CAS Number: 61789-40-0
NICNAS IMAP Human Health Tier II Assessment for Phenol, 3-amino- CAS Number: 591-27-5
NICNAS IMAP Human Health Tier II Assessment for Phenol, 4-amino- CAS Number: 123-30-8
Scientific Committee on Consumer safety (SCCS) Opinion on HC Yellow No.2 SCCS/1309/10