

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION: PRODUCT IDENTIFIER/CHEMICAL IDENTITY

1.1 PRODUCT IDENTIFIER: MUK Pre Prepare Shampoo

1.2 PRODUCT CODE: MUK038

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

RELEVANT IDENTIFIED USES: Hair shampoo.

RESTRICTIONS ON USE: This is a hair shampoo that contains hazardous components that leads to a hazardous rating by calculation for the undiluted product. The ratings in the Safety Data Sheet are applicable for Occupational Risk Characterisation. This information is appropriate for incidents, such as spills, where contact with the undiluted product occurs. In use scenarios, the product is used in a highly diluted format on wet hair and usually with a source of running water. Under typical use conditions, skin or eye contact with products containing these types of components are not expected to cause significant irritation. For domestic or professional use scenarios where the product is being used in its capacity as a shampoo, labelling will be consistent with the requirements for similar products that contain these types of components and will contain the statement "IF IN EYES WASH OUT IMMEDIATELY WITH WATER".

1.4 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

SUPPLIER NAME: muk Hair Care Pty Ltd (ABN: 21 137 904 806),
ADDRESS (Australia): 39 Translink Drive, Keilor Park, VIC, Australia, 3042.
TELEPHONE NUMBER (Australia): 1300 768 264 (Int).
SUPPLIER NAME (New Zealand): Combined Salon Supplies Ltd,
ADDRESS (New Zealand): 60 Lunn Avenue, Mt Wellington, Auckland, NZ.
TELEPHONE NUMBER (New Zealand): +64 9 320 5486
E-MAIL: info@mukhair.com

1.5 EMERGENCY TEL. NUMBER: Australia: 0407 367 680
(Poisons Information Centre (Aust 131 126; NZ 0800 764 766))

1.6 HSN0 DETAILS:

HSNO APPROVAL NUMBER: HSR002552
HSNO GROUP TITLE: Cosmetic Products Group Standard 2017.

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 2
Serious Eye Damage/Irritation - Category 2A
Chronic Aquatic Toxicity - Category 3

2.2 LABEL ELEMENTS INCLUDING PRECAUTIONARY STATEMENTS:

SIGNAL WORD: Warning

PICTOGRAMS:



HAZARD STATEMENTS:

H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H412 - Harmful to aquatic life with long lasting effects.

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SECTION 2 – HAZARD(S) IDENTIFICATION Continued

PRECAUTIONARY STATEMENTS:

PREVENTION: P102 - Keep out of reach of children.
 P103 - Read label before use.
 P264 - Wash hands thoroughly after handling.
 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.
 P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P332+P313 - If skin irritation occurs: Get medical advice/attention.
 P337+P313 - If eye irritation persists: Get medical advice/attention.
 P362 - Take off contaminated clothing and wash before reuse.

STORAGE: Not Applicable.

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

2.3 OTHER HAZARDS: People with pre-existing skin conditions, such as eczema or dermatitis, should take precautions so as not to exacerbate the condition. The product contains Citronellol, Hexyl Cinnamal, Linalool, Alpha-Isomethyl Ionone and Butylphenyl Methylpropional as part of the fragrance, as well as DMDM Hydantoin. These may produce an allergic reaction. 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*
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-(dodecyloxy)-, sodium salt (1:1) (Sodium Laureth Sulfate)	9004-82-4	14.0 - 17.0%	Acut Tox 4 - H302 Skin Irrit 2 - H315 Eye Irrit 2A - H319 Chron Aq Tox 3 - H412
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts (Cocoamidopropyl Betaine)	61789-40-0	2.0 - 3.2%	Eye Irrit 2A - H319 Acut Aq Tox 1 - H400
Imidazolium compounds, 1-[2-(carboxymethoxy)ethyl]-1-(carboxymethyl)-4,5-dihydro-2-norcoco alkyl, hydroxides, disodium salts (Disodium Cocamphodipropionate)	68650-39-5	2.0 - 3.2%	Skin Irrit 2 - H315 Eye Irrit 2A - H319
Amides, coco, N,N-bis(hydroxyethyl) (Cocamide DEA)	68603-42-9	0.9 - 1.2%	Skin Irrit 2 - H315 Eye Dam 1 - H318 Chron Aq Tox 3 - H412
Amides, coco, N-(hydroxyethyl) (Cocamide MEA)	68140-00-1	0.9 - 1.2%	Eye Dam 1 - H318
2-Butanone, 1-(4-chlorophenoxy)-1-(1H-imidazol-1-yl)-3,3-dimethyl- (Climbazole)	38083-17-9	0.2 - 0.4%	Acut Tox 4 - H302 Chron Aq Tox 1 - H410
Poly(oxy-1,2-ethanediyl), .alpha.-[2-hydroxy-3-(trimethylammonio)propyl]-.omega.-hydroxy-, ether with cellulose, chloride (Polyquaternium-10)	68610-92-4	0.2 - 0.4%	Skin Irrit 2 - H315 Eye Irrit 2A - H319 STOT SE 3 - H335 Chron Aq Tox 1 - H410

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SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS continued

INGREDIENTS	CAS NUMBER	Concentration % W/W	GHS Classification*
Dihydroxypropyl linoleammonium Cl., EO~ (Dihydrozypropyl PEG-5 Linoleammonium Chloride)	168677-75-6	0.2 - 0.3%	Skin Irrit 2 - H315 Eye Irrit 2A - H319 Chron Aq Tox 2 - H411
2,4-Imidazolidinedione, 1,3-bis(hydroxymethyl)-5,5-dimethyl- (DMDM Hydantoin)	6440-58-0	≤ 0.2%	Skin Irrit 2 - H315 Skin Sen 1 - H317 Eye Irrit 2A - H319
Glycine, N,N'-1,2-ethanediybis[N-(carboxymethyl)-, disodium salt (Disodium EDTA)	139-33-3	≤ 0.05%	Acute Tox 4 - H332 STOT (RE) 2 - H373
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:	Rinse mouth out with water. Due to the blend of ingredients present, the manufacturer recommends that if swallowed, 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. If irritation develops or persists or vomiting has occurred after ingestion, seek immediate medical assistance.
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 Causes serious eye irritation, after flushing, if irritation persists, seek medical assistance.
SKIN CONTACT:	The product is a Shampoo. This product contains components that may produce an allergic reaction. If irritation or a rash occurs wash skin thoroughly with mild soap and water. As the product is rated as causes skin irritation, after flushing, if irritation persists or rash develops, seek medical assistance.
INHALATION:	If a person is affected by inhaling the product, 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.
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, caution should be exercised in using 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.

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SECTION 4 – FIRST AID MEASURES Continued

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

ACUTE: The product is rated as Causes serious eye irritation. Eye contact may lead to localised burning, redness, pain and tearing. The product is rated as Causes skin irritation. Skin contact may lead to redness or itching. Ingestion or inhalation of vapours may lead to irritation of the mouth and respiratory tract. Ingestion may lead to nausea and diarrhoea.

CHRONIC: Skin contact may aggravate/exacerbate existing skin conditions, such as dermatitis. The product contains Citronellol, Hexyl Cinnamal, Linalool, Alpha-Isomethyl Ionone and Butylphenyl Methylpropional as part of the fragrance, as well as DMDM Hydantoin. These may produce an allergic 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, sulfur, chlorine and nitrogen 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: Not Applicable.

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, enclosed shoes 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 bodysuit 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.

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SECTION 6 – ACCIDENTAL RELEASE MEASURES Continued

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: Small spills can be cleaned up by hand using a cleaning cloth. 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 banded, 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. Keep containers tightly closed when not in use. Prevent product from entering waterways, drains or sewers.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

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.

8.2 BIOLOGICAL

MONITORING: No data available.

8.3 CONTROL BANDING: No data available.

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SECTION 8 – EXPOSURE CONTROLS & PERSONAL PROTECTION C'ntnd

8.4 ENGINEERING CONTROLS:

ENGINEERING CONTROLS: Special ventilation is not normally required when using this product in normal use scenarios. However, if there are vapours generated under use conditions ventilation should be provided to maintain airborne concentrations at an acceptable level that does not cause irritation.

8.5 INDIVIDUAL PROTECTION MEASURES:

EYE & FACE PROTECTION: As the product is a shampoo, eye protection is not normally required. As the product is rated as Causes serious eye irritation, hairdressers should use eye protection and avoid rubbing their eyes when using the product. If there is a spill scenario and there is the potential of contact with the material wear safety glasses/goggles to avoid eye contact. Use eye protection in accordance with AS1336 and AS1337.

SKIN (HAND) PROTECTION: As the product is a shampoo, hand protection is not normally required. If there is a spill scenario and there is the potential of contact with the material wear gloves to provide hand protection. PVC, Neoprene or Nitrile rubber gloves are recommended.

SKIN (CLOTHING) PROTECTION: As the product is a shampoo, special clothing is not normally required. If there is a spill scenario and there is the potential of contact with the material wear long sleeved clothing 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.

THERMAL PROTECTION: Not applicable.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE: Medium Viscosity Cream - Transparent.
ODOUR: Characteristic.
ODOUR THRESHOLD: No data available.
pH: Typically, 5.5 - 6.5.
MELTING/FREEZING POINT: No data available.
INITIAL BOILING POINT: No data available.
BOILING RANGE (°C): No data available.
FLASHPOINT (°C): Not applicable.
EVAPORATION RATE: No data available.
FLAMMABILITY LIMITS (%): Not applicable.
VAPOUR PRESSURE (mmHg): No data available.
VAPOUR DENSITY: No data available.
DENSITY @ 25.0°C (g/mL): 1.00 - 1.02.
SOLUBILITY IN WATER(g/L): Fully miscible.
PARTITION COEFFICIENT: No data available for n-octanol/water.
AUTO-IGNITION TEMP (°C): Not applicable.
DECOMPOSITION TEMP (°C): No data available.
VISCOSITY (cPs): 6,000 - 12,000.

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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.

Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-(dodecyloxy)-, sodium salt (1:1); (Sodium Laureth Sulfate):

Oral - LD₅₀ (Rat): 2,870 - 4,100 mg/kg bw

Dermal - LD₅₀ (Rat): 2,000 mg/kg bw

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts; (Cocoamidopropyl Betaine):

Oral - LD₅₀ (Rat): 5,000 mg/kg bw

Dermal - LD₅₀ (Rat): 2,000 mg/kg bw

Amides, coco, N,N-bis(hydroxyethyl) - (Cocamide DEA):

Oral - LD₅₀ (Rat): 2,000 mg/kg bw

Dermal - LD₅₀ (Rabbit): 2,000 mg/kg bw

Amides, coco, N-(hydroxyethyl); (Cocamide MEA):

Oral - LD₅₀ (Rat): 2,000 mg/kg

Dermal - LD₅₀ (Rabbit): 2,000 mg/kg bw

2-Butanone, 1-(4-chlorophenoxy)-1-(1H-imidazol-1-yl)-3,3-dimethyl-; (Climbazole):

Oral - LD₅₀ (Rat): 400 mg/kg bw

Oral - LD₅₀ (Rabbit): 250 mg/kg bw

2,4-Imidazolidinedione, 1,3-bis(hydroxymethyl)-5,5-dimethyl-; (DMDM Hydantoin):

Oral - LD₅₀ (Rat): 2,890 mg/kg bw

Dermal - LD₅₀ (Rabbit): 2,000 - 20,000 mg/kg bw

Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, disodium salt; (Disodium EDTA):

Oral - LD₅₀ (Rat): 2,800 mg/kg bw

11.2 SWALLOWED:

This product is expected to have a low order of toxicity associated with it when ingested. It may cause slight irritation to the mouth, throat and digestive tract. During normal usage ingestion should not be a means of exposure.

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SECTION 11 – TOXICOLOGICAL INFORMATION Continued

11.3 SKIN CORROSION/ IRRITATION:

This product is rated by calculation as Causes skin irritation. 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.

11.4 SERIOUS EYE DAMAGE/ IRRITATION:

The product is rated by calculation as Causes serious eye irritation. Symptoms may include localised burning, redness, pain, swelling and tearing. Correct handling procedures incorporating appropriate eye protection should minimise the risk of eye irritation.

11.5 RESPIRATORY OR SKIN SENSITISATION:

This product is not expected to be a skin sensitiser, based on the available data and the known hazards of the components. However, the product contains Citronellol, Hexyl Cinnamal, Linalool, Alpha-Isomethyl Ionone and Butylphenyl Methylpropional as part of the fragrance, as well as DMDM hydantoin. These are rated as May cause an allergic skin reaction however they are present well below the Concentration cut-off levels that would indicate that there is a potential hazard. 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.

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.

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 (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 Disodium EDTA at levels of <0.05%, 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, 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 data is available.

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SECTION 12 – ECOLOGICAL INFORMATION

12.1 ECOTOXICITY:

The following Ecotoxicity data is applicable to components:

Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-(dodecyloxy)-, sodium salt (1:1); (Sodium Laureth Sulfate):

LC50 (fish, 4 days): 7.1 mg/L

EC50 (aquatic invertebrates, 48 h) 7.4 mg/L

LC50 (aquatic invertebrates, 4 days) 1.17 mg/L

EC50 (aquatic algae and cyanobacteria, 72 h) 27.7 mg/L

EC50 (microorganisms, 16 h) 10 g/L

EC50 (terrestrial macroorganisms except arthropods, 56 d) 750 mg/kg soil dw

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts; (Cocoamidopropyl Betaine):

LC50 (fish, 4 days) 2 mg/L

LC0 (fish, 4 days) 1.7 mg/L

LC100 (fish, 4 days) 2.4 mg/L

EC50 (aquatic invertebrates, 48 h) 6.4 mg/L

Amides, coco, N,N-bis(hydroxyethyl) - (Cocamide DEA):

LC50 (fish, 4 days) 2.4 mg/L

NOEC (fish, 4 days) 1 mg/L

NOEC (fish, 28 days) 320 µg/L

LOEC (fish, 28 days) 1 mg/L

Amides, coco, N-(hydroxyethyl); (Cocamide MEA):

LC50 (fish, 4 days) 3 mg/L

NOEC (fish, 4 days) 3 mg/L

NOEC (fish, 28 days) 320 µg/L

LOEC (fish, 28 days) 1 mg/L

2-Butanone, 1-(4-chlorophenoxy)-1-(1H-imidazol-1-yl)-3,3-dimethyl-; (Climbazole):

LC50 (freshwater fish) 5.1 mg/L

NOEC (aquatic invertebrates, 21 days) 200 µg/L

2,4-Imidazolidinedione, 1,3-bis(hydroxymethyl)-5,5-dimethyl-; (DMDM Hydantoin):

EC50 (fish, 4 days) 82.3 mg/L

EC50 (aquatic invertebrates, 48 h) 29.1 mg/L

EC50 (aquatic algae and cyanobacteria, 4 days) 1 g/L

Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, disodium salt; (Disodium EDTA):

LC50 (fish, 4 days) 41 – 1,592 mg/L

NOEC (fish, 35 days) 25.7 mg/L

EC50 (aquatic invertebrates, 48 h) 140 mg/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.

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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 after cleaning or for disposal through suitably licensed contractors in accordance with Government regulations. Where the containers are of metal construction they should not be pressurised, cut by a grinder, welded, brazed, soldered, drilled or exposed to heat, flames or other sources of ignition. Closed metal containers when exposed to such conditions/treatment may explode causing serious injury or death.

SECTION 14 – TRANSPORT INFORMATION

This product is not regulated for land, sea or air transportation.

14.1 LAND (ADG Code):

UN NUMBER: Not applicable
UN PROPER SHIPPING NAME: Not applicable
TRANSPORT HAZARD CLASS(ES): Not applicable
PACKAGING GROUP: Not applicable
ENVIRONMENTAL HAZARDS: Not applicable
SPECIAL PRECAUTIONS FOR USER: Not applicable
HAZCHEM CODE: Not applicable

14.2 SEA (IMDG):

UN NUMBER: Not applicable
UN PROPER SHIPPING NAME: Not applicable
TRANSPORT HAZARD CLASS(ES): Not applicable
PACKAGING GROUP: Not applicable
ENVIRONMENTAL HAZARDS: Not applicable
SPECIAL PRECAUTIONS FOR USER: Not applicable

14.3 AIR (IATA):

UN NUMBER: Not applicable
UN PROPER SHIPPING NAME: Not applicable
TRANSPORT HAZARD CLASS(ES): Not applicable
PACKAGING GROUP: Not applicable
ENVIRONMENTAL HAZARDS: Not applicable
SPECIAL PRECAUTIONS FOR USER: Not applicable

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SECTION 15 – REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS:

APPLICABLE REGULATIONS:

SUSMP: Not applicable to this product.
AICS: All ingredients are on the AICS List or covered by an Exemption.
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.
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.
Specific Target Organ Toxicity (Single Exposure) Category 3; H335 - May cause respiratory irritation.
Specific Target Organ Toxicity (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.

HSNO APPROVAL NUMBER: HSR002552

HSNO GROUP TITLE: Cosmetic Products Group Standard 2017.

SECTION 16 – ANY OTHER RELEVANT INFORMATION

SDS INFORMATION:

Date of SDS Preparation: 24th April 2020

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.

SAFETY DATA SHEET

SECTION 16 – ANY OTHER RELEVANT INFORMATION Continued

ACRONYMS (Continued):

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
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
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
EH40	EH40/2005 Workplace Exposure Limits
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
NICNAS IMAP Human Health Tier II Assessment for Sodium and Ammonium Laureth Sulfate, CAS No. 9004-82-4.
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
ECHA Brief Profile for 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts; (Cocoamidopropyl Betaine), CAS No. 61789-40-0.
ECHA Brief Profile for Amides, coco, N,N-bis(hydroxyethyl); (Cocamide DEA), CAS No. 68603-42-9
ECHA Brief Profile for Amides, coco, N-(hydroxyethyl); (Cocamide MEA), CAS No. 68140-00-1.
ECHA Brief Profile for 2-Butanone, 1-(4-chlorophenoxy)-1-(1H-imidazol-1-yl)-3,3-dimethyl-; (Climbazole), CAS No. 38083-17-9.

SAFETY DATA SHEET

SECTION 16 – ANY OTHER RELEVANT INFORMATION Continued

LITERATURE REFERENCES AND SOURCES OF DATA (Continued):

ECHA Brief Profile for 2,4-Imidazolidinedione, 1,3-bis(hydroxymethyl)-5,5-dimethyl-; (DMDM Hydantoin),
CAS No. 6440-58-0.

ECHA Brief Profile for Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, disodium salt; (Disodium EDTA),
CAS No. 139-33-3.

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