

MATERIAL SAFETY DATA SHEET

Geranium Essential Oil – Certified Organic

Page: 1 of 11



127



SECTION 1 – IDENTIFICATION OF THE MATERIAL

1.1 Product Name:	Geranium Essential Oil – Certified Organic
1.2 Botanical Name:	<i>Pelargonium roseum x asperum</i>
1.3 Product Code:	OCGERA
1.4 AUSTRALIAN AICS Name:	Oils, Geranium
1.5 USA INCI Name:	Not allocated
1.6 EU [CosIng] INCI Name:	Not allocated
1.7 EU [CosIng] Perfuming Name:	Pelargonium Roseum Leaf Oil
1.8 UN Proper Shipping Name:	Not applicable
1.9 UN Number:	Not applicable
1.10 AUSTRALIAN Schedule Name:	Not Scheduled
1.11 Recommended Product Use:	Cosmetic and aromatherapy ingredient.

Function: Fragrance Ingredient.

Categories: Face and Neck preparations [Excluding shaving preparations]; Body and Hand preparations [Excluding shaving preparations]; Skin care preparations, miscellaneous; Moisturising preparations; Cleansing products [Cold creams, cleansing lotions, liquids and pads]; Bath soaps and detergents; Bath capsules; Bath oils, tablets, and salts; Paste masks [Mud packs]; Fragrance preparations, miscellaneous; Bubble baths; Shampoos [Non-colouring]; Skin fresheners; Hair conditioners; Bath preparations, miscellaneous; Indoor tanning preparations; Suntan gels, creams, and liquids; Cuticle Softeners; Foundations; Hair preparations [non-colouring], miscellaneous; Lipsticks.

MATERIAL SAFETY DATA SHEET

Geranium Essential Oil – Certified Organic

Page: 2 of 11

SECTION 2 – HAZARDS IDENTIFICATION

Hazardous according to criteria of NOHSC

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

**Class: C1 Combustible Liquid
NOT A SUSMP Scheduled Poison**

- 2.1 Risk Symbols:** Xn Harmful.
Xi Irritant.
N Dangerous for the Environment.
- 2.2 Risk Phrases:** R22 Harmful if swallowed.
R36 Irritating to eyes.
R37 Irritating to respiratory system
R38 Irritating to skin.
R41 Risk of serious eye damage.
R43 May cause sensitisation by skin contact.
R51 Toxic to aquatic organisms.
R53 May cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
- 2.3 Safety Phrases:** [S2] [Keep out of the reach of children].
S3 Keep in a cool place.
S7 Keep container tightly closed.
S13 Keep away from food, drink and animal feeding stuffs.
S15 Keep away from heat.
S20 When using, do not eat or drink.
S23 Do not breathe fumes / vapour.
S24 Avoid contact with skin.
S25 Avoid contact with eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 After contact with skin, wash immediately with plenty of soap and water.
S29 Do not empty into drains.
S36 Wear suitable protective clothing.
S37 Wear suitable gloves.
S39 Wear eye / face protection.
S45 In case of accident or if you feel unwell, seek medical advice immediately [show the label where possible].
S51 Use only in well-ventilated areas.
S60 This material and its container must be disposed of as hazardous waste.
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
S63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.
S64 If swallowed, rinse mouth with water, [only if the person is conscious].
- 2.4 Other:** None identified.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Ingredients:

Component Entity	CAS Number	EINECS Number	Proportions [%w/w]
Certified Organic Pelargonium Roseum Leaf Oil	8000-46-2 [AICS] 90082-55-6 IFUJ1	290-144-2	100% pure

MATERIAL SAFETY DATA SHEET

Geranium Essential Oil – Certified Organic

Page: 3 of 11

SECTION 4 FIRST AID MEASURES

- 4.1 Eye Contact:** Flush immediately with clean water for at least 15 minutes. Ensure irrigation under eyelids. Do not try to remove contact lenses unless trained.
Contact a physician immediately.
- 4.2 Skin Contact:** Remove any contaminated clothing and footwear. Clean before re-use.
Wash affected areas thoroughly with soap and water for at least 15 minutes.
Contact a physician as necessary.
- 4.3 Inhalation:** Remove from the exposure to fresh air. If breathing has stopped, administer artificial respiration and oxygen if available.
Contact a physician as necessary.
- 4.4 Ingestion:** Do Not induce vomiting.
Wash out mouth with water and give water slowly to dilute [as much as casualty can comfortably drink] provided person is conscious.
Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconsciousness.
Contact a physician or local poison control centre immediately.
If vomiting occurs, lean patient forward or place on left side [head-down position, if possible] to maintain open airway and prevent aspiration.
- 4.5 For Advice:** Contact a Poisons Information Centre [Phone eg Australia 131126; New Zealand 0800 764 766] or a doctor at once.
- 4.6 Advice to Doctor:** Treat symptomatically. Note the nature of this product.

SECTION 5 – FIRE FIGHTING MEASURES

- 5.1 Extinguishing Media:** Carbon Dioxide; Dry Chemical; Universal-Type Foam.
- 5.2 Unsuitable Extinguishing Media:** Water Spray; Others not established.
- 5.3 Unusual Firefighting Hazards:** None identified.
- 5.4 Special Procedures:** Determine the need to evacuate or isolate the area according to your local emergency plan.
- 5.5 Protective Equipment:** Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving essential oils or chemicals.
- 5.6 Combustion Products:** Oxides of carbon.
- 5.7 Contact Point:** Dial 000 Emergency in case of fire [In Australia] or Local Emergency Authority [Out of Australia].

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions:** Use of self-contained breathing apparatus is recommended for any major chemical spill. Refer also to section 8.
- 6.2 Safety Precautions:** Eliminate ALL ignition sources. Ventilate area. Determine the need to evacuate or isolate the area according to your local emergency plan;
- 6.3 Environmental Precautions:** Keep away from drains, surface and ground water.
Report spills to appropriate Authorities if required.
- 6.4 Methods For Cleaning Up:** Contain spill and recover free product. Absorb remainder on vermiculite or other suitable absorbent material. Wipe small spills with cloth. Clean with hot water and detergent. Refer also to Section 13. for disposal procedures.

MATERIAL SAFETY DATA SHEET

Geranium Essential Oil – Certified Organic

Page: 4 of 11

SECTION 7 – HANDLING AND STORAGE

- 7.1 Handling:** Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash after any contact, before breaks and meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before re-use. No smoking.
- 7.2 Storage:** Containers should be kept closed in order to minimise contamination. Store in a cool, dry, well ventilated place protected from light. Keep from extreme heat and away from ALL sources of ignition. Make sure the material does not come into contact with substances listed as: "Materials to Avoid", Refer to Section 10. Store in stainless steel drums or amber glass containers. For short term storage only: epoxy phenolic lined steel drums.
- 7.3 Unsuitable Packaging Materials:** None established.
- 7.4 Special Procedures:** Protect against electrostatic charges, Others not established.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Exposure Limits** There is a blanket recommendation of 10 mg/m³ for inspirable dusts or mists when limits have not otherwise been established.
- OSHA TWA:** None established.
- OSHA STEL:** None established.
- ACGIH TWA:** None established.
- ACGIH STEL:** None established.
- NOHSC TWA:** None established.
- NOHSC STEL:** None established.
- 8.2 Respiratory Protection:** None generally required. Use NIOSH approved respirator in confined areas or if ventilation is inadequate.
- 8.3 Ventilation Protection:** Ensure adequate ventilation to keep exposure levels to a minimum. Local exhaust meeting ACGIH criteria is required. General exhaust is recommended.
- 8.4 Eye Protection:** Using goggles or face shield is recommended.
- 8.5 Protective Gloves:** Using chemical resistant gloves is recommended.
- 8.6 Protective Clothing:** Using chemical resistant clothing is recommended.
- 8.7 Protective Equipment:** An eyewash fountain and / or safety shower should be available in the work area.
- 8.8 Special Engineering Controls:** None established.
- 8.9 Other Personal Protection:** Consult the following Australian Standards for general advice regarding safety clothing and equipment: Respiratory Equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS 2919**, Industrial Eye Protection: **AS 1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS 2210**.
- 8.10 Note:** These precautions are for room temperature handling. Use at elevated temperature or aerosol / spray applications may require additional precautions.

MATERIAL SAFETY DATA SHEET

Geranium Essential Oil – Certified Organic

Page: 5 of 11

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance:	Liquid
9.2 Odour:	Characteristic
9.3 Specific Gravity:	0.880 to 0.950 @ 20°C
9.4 Refractive Index:	1.4600 to 1.4800 @ 20°C
9.5 Optical Rotation:	-7.0° to -14.0° @ 20°C
9.6 pH:	Not available.
9.7 Solubility:	Soluble in ethyl alcohol
9.8 Solubility in Water:	Insoluble
9.9 Flash Point:	74°C [Closed Cup]
9.10 Flammability Limits [as % v/v in Air]	
Lower Explosion Limit:	Not available.
Upper Explosion Limit:	Not available.
9.11 Autoignition Temperature:	Not available.
9.12 Melting Point:	Not available.
9.13 Boiling Range:	Not available.
9.14 Vapour Pressure:	Not available.
9.15 Vapour Density:	Not available.
9.16 Viscosity:	Not available.

SECTION 10 – STABILITY AND REACTIVITY

10.1 Stability:	Chemically stable, hazardous material. This material presents no significant reactivity hazard.
10.2 Conditions to Avoid:	None established.
10.3 Materials to Avoid:	Strong acids, strong alkalis and oxidizing agents.
10.4 Flammability:	Combustible liquid.
10.5 Hazardous Polymerization:	Will not occur.
10.6 Hazardous Combustion or Decomposition Products:	Carbon monoxide and unidentified organic compounds may be formed during combustion.

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1 Health Hazards	
Acute Effects:	
Swallowed:	May be harmful.
Eye:	May be irritating.
Skin:	May be irritating.
Inhalation:	May be harmful.
Chronic Effects:	None identified.
Mutagenic Effects:	None identified.
Reproductive Effects:	None identified.
Carcinogenic Effects:	None identified.
Sensitisation:	None identified.
Infectious:	Not applicable.
11.2 Acute Toxicity	
	LD50 [Oral]: Not available.
	LD50 [Dermal]: Not available.
	LC50 [Inhalation]: Not available.
11.3 Short Term Toxicity:	Not available.
11.4 Long Term Toxicity:	Not available.
11.5 Human Exposure Tests:	Not available.

MATERIAL SAFETY DATA SHEET

Geranium Essential Oil – Certified Organic

Page: 6 of 11

11.6 SCCNFP Allergens Annex III – Cosmetic Directive 2003/15/EC [7 th amendment]. Detection Limit 0.001%.					
CONSTITUENT	IFRA	EFFA	CAS Number	EINECS Number	RANGE
Amyl Cinnamal:	YES	NO	122-40-7	204-541-5	Not Detected
Amyl Cinnamyl Alcohol:	YES	NO	101-85-9	202-982-8	Not Detected
Anisyl Alcohol:	NO	YES	1331-81-3	215-561-9	Not Detected
Benzyl Alcohol:	NO	YES	100-51-6	202-859-9	Not Detected
Benzyl Benzoate:	NO	YES	120-51-4	204-402-9	Not Detected
Benzyl Cinnamate:	NO	YES	103-41-3	203-109-3	Not Detected
Benzyl Salicylate:	NO	YES	118-58-1	204-262-9	Not Detected
Cinnamal:	YES	YES	104-55-2	203-213-9	Not Detected
Cinnamyl Alcohol:	YES	YES	104-54-1	203-212-3	Not Detected
Citral:	YES	YES	5392-40-5	226-394-6	< 12.0%
Citronellol:	NO	YES	106-22-9	203-375-0	< 45.0%
Coumarin:	NO	YES	91-64-5	Not allocated	Not Detected
Eugenol:	YES	YES	97-53-0	202-589-1	Not Detected
Farnesol:	YES	YES	4602-84-0	225-004-1	Not Detected
Geraniol:	NO	YES	106-24-1	203-377-1	< 33.0%
Hexyl Cinnamal:	YES	NO	101-86-0	202-983-3	Not Detected
Citronellal Hydrate:	YES	NO	107-75-5	203-518-7	Not Detected
iso-Eugenol:	YES	YES	97-54-1	202-590-7	Not Detected
Butyl Phenyl Methyl Propional:	YES	NO	80-54-6	201-289-8	Not Detected
Limonene:	YES	YES	5989-27-5	227-813-5	< 2.0%
Linalool:	YES	YES	78-70-6	201-134-4	Not Detected
Hydroxyisohexyl-3-Cyclohexene Carboxaldehyde	NO	NO	31906-04-4	250-863-4	Not Detected
Methyl Heptin Carbonate:	YES	NO	111-12-6	203-836-6	Not Detected
Methyl Ionone:	YES	NO	127-51-5	204-846-3	Not Detected
Evernia Prunastri Extract [Oakmoss]:	YES	NO	90028-68-5	289-861-3	Not Detected
			9000-50-4		
			68917-10-2		
Evernia Furfuracea Extract [Treemoss]:	YES	NO	90028-67-4	289-860-8	Not Detected
			68648-41-9		
			68917-40-8		

11.7 Additional EFFA Listed Sensitisers & IFRA Notifiable Substances. Detection Limit 0.001%.					
CONSTITUENT	IFRA	EFFA	CAS Number	EINECS Number	RANGE
No Additional Sensitisers	NO	NO	Not allocated	Not allocated	Not Detected
No Additional Notifiable Substances	NO	NO	Not allocated	Not allocated	Not Detected

MATERIAL SAFETY DATA SHEET

Geranium Essential Oil – Certified Organic

Page: 7 of 11

SECTION 12 – ECOLOGICAL INFORMATION

12.1 Eco-toxicity:	None established. Avoid pollution to soil, rivers and the ocean.
12.2 Persistence & Degradability:	Low persistence level and readily biodegradable.
12.3 Mobility:	Low mobility in the soil.
12.4 Bio-accumulative Potential:	None established.
12.5 Other Adverse Effects:	None established.

SECTION 13 – DISPOSAL CONSIDERATIONS

13.1 Waste Material:	Place material and / or absorbent into sealed containers and dispose of in accordance with current applicable laws and regulations. Refer to local Authority advice.
13.2 Contaminated Packaging:	Dispose of in accordance with current applicable laws and regulations. Refer to local Authority advice.
13.3 Note:	Empty containers can have residues, gases and mists. Use the proper Waste Disposal Methods & Procedures for Empties as well.

SECTION 14 – TRANSPORT INFORMATION

14.1 Transportation:	Not Dangerous Goods according to criteria of the Australian Dangerous Goods Code for Transport by Road and Rail. No special transport required. Not to be transported with Classes 1 [Explosives], 2.1 [Flammable Gases] [nb this applies only when the capacity of individual container exceeds 500 Lt], 2.3 [Toxic Gases], 4.2 [Spontaneously Combustible Substances], 5.1 [Oxidising Agents], 5.2 [Organic Peroxides], 7 [Radioactive Substances], and Foodstuffs or Foodstuff empties.		
14.2 UN Number:	Not allocated.		
14.3 Proper Shipping Name:	Not Regulated.		
14.4 DG Class / Subsidiary Risk:	Not allocated.		
14.5 Packaging Group:	Not allocated.		
14.6 Special Precautions:	None established.		
14.7 Hazchem Code:	Not allocated.		
14.8 Maritime Transportation IMDG		14.9 Air Transportation ICAO-TI and IATA-DGR	
IMDG Class:	Not allocated.	ICAO / IATA Class:	Not allocated.
Label:	Not allocated.	Label:	Not allocated.
UN Number:	Not allocated.	UN Number:	Not allocated.
Packaging Group:	Not allocated.	Packaging Group:	Not allocated.
EMS Number:	Not allocated.		
Marine Pollutant:	Not allocated.		
Proper Shipping Name:	Not Regulated.	Proper Shipping Name:	Not Regulated.

MATERIAL SAFETY DATA SHEET

Geranium Essential Oil – Certified Organic

Page: 8 of 11

SECTION 15 – REGULATORY INFORMATION

15.1 SUSMP Schedule:		Not Scheduled.
15.2 SUSMP Name:		Not allocated.
15.3 Warning Statements:		Not allocated.
15.4 Safety Directions:	1	Avoid contact with eyes.
	3	Wear eye protection when mixing or using.
	4	Avoid contact with skin.
	5	Wear protective gloves when mixing or using.
	6	Wash hands after use.
	11	No smoking.
	15	Store under cover in a dry, clean, cool, well ventilated place away from sunlight.
	23	Keep away from heat, sparks and naked flames.
	25	Avoid contact with food.
15.5 Standard Statements:	A	For advice, contact a Poisons Information Centre [Phone eg Australia 131126; New Zealand 0800 764 766] or a doctor at once.
	G3	If swallowed, do NOT induce vomiting.
15.6 AICS:		This product is listed on the Public AICS Database.

SECTION 16. ADDITIONAL INFORMATION

16.1 QUALITY DECLARATION

Our firm belief that Quality Control is of the utmost importance and it is imperative that the most meticulous tests are carried out for every product in our range.

Uncompromising quality is a responsibility, which we take seriously.

Our commitment to quality is coordinated by our in-house Qualified Aromatherapist, Chief Chemist and Quality Control Chemist.

The most rigorous processes are implemented to determine the purity and potency of sourced oils & raw materials.

By maintaining this intense level of Quality Control and Developing New Methods & Techniques, We can ensure Superior Quality Products.

This Geranium Essential Oil – Certified Organic has been tested and it conforms to our High Standard Quality requirements.

MATERIAL SAFETY DATA SHEET

Geranium Essential Oil – Certified Organic

Page: 9 of 11

16.2 ANIMAL TESTING POLICY DECLARATION

In the long ago past [before the concern over animal testing] some of the excipients and some of the actives have been tested on animals. This is no longer conducted for these components.

Both the TGA and NICNAS [Australian regulatory agencies which control the use of ALL ingredients used in therapeutics and cosmetics, respectively] require toxicity and safety testing on ALL new raw materials before they will allow their use in Australia.

While the industry is developing non-animal test methods this still does not completely eliminate the need for animal testing. When available the industry uses these alternate tests in preference to animal testing.

Typically these initial tests on a new substances will occur in the UK or USA in accordance with the regulatory agencies there, 5 to 10 years before the material is used in Australia. Based on these initial results, new substances are usually approved by the Australian regulatory agencies for use without further animal testing being required.

We do not test raw materials on animals, neither initially or as a routine test, [nor by outside sources our behalf].

The product Suppliers for us do not test their products on animals, neither initially or as a routine test.

None of us finished formulations are tested on animals, either initially or as a routine test, except, of course, humans in controlled efficacy tests and against bacteria in preservative efficacy testing.

Our Animal Cruelty-Free Policy extends to using ingredients and raw materials from vegetable sources when ever possible.

16.3 DISCLAIMER

This Material Safety Data Sheet was prepared according to:

The National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2011 (2003)].

The information contained in this Material Safety Data Sheet is obtained from current and reliable sources. We provide the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Material Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product, but does not claim to be all inclusive. This document is thus, intended only as a guide to the appropriate precautionary handling of the material by properly trained personnel using this product. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. As the ordinary or otherwise use(s) of this product is outside the control of us., no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. We expressly disclaim responsibility as to the ordinary or otherwise use(s). Furthermore, nothing contained herein should be considered as a recommendation by us as to the fitness for any use. The liability of us is limited to the value of the goods and does not include any consequential loss.

We shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. We shall not be responsible for any damages resulting from use of or reliance upon this information. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties.

MATERIAL SAFETY DATA SHEET

Geranium Essential Oil – Certified Organic

Page: 10 of 11

16.4 MANUFACTURED PRODUCTS INGREDIENT DISCLAIMER

As the availability of ingredients and raw materials is not always certain whether due to changes in nature or otherwise, We reserve the right to substitute alternate ingredients/raw materials in the manufacture of its products and bases in order to maintain supply to its customers. Customers should always refer to the ingredients label as affixed to each product or to specification sheets which are current at the time of supply of the product.

16.5 LABELLING DISCLAIMER

We are a wholesaler of natural skin care products. If you intend to re-label our products under your own name/brand for the purpose of on-selling or retailing, we thoroughly recommend that you keep up to date with constant changing labelling laws. Please visit www.accc.gov.au or www.nicnas.gov.au . We cannot be held responsible for consequential loss/product recall due to incorrect labelling.

16.6 ACRONYMS

<	less than
>	greater than
°C	degrees Celsius
ACCC	Australian Competition and Consumer Commission
ADG	Australian Dangerous Goods
AICS	Australian Inventory of Chemical Substances
ACGIH	American Conference of Governmental Industrial Hygienists
AS	Australian Standard
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service (Registry Number)
cm ³	cubic centimetres
COD	Chemical Oxygen Demand
CosIng	The European Commission database with information on Cosmetic Ingredients & Substances
DG	Dangerous Goods
EFFA	European Flavour Association
EINECS	European Inventory of Existing Commercial Chemical Substances (Identifying Number)
EU	Europe / European
g	gram
GMO	Genetically modified organism
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially fire fighters
Hr	Hour
HSIS	The Safe Work Australia Hazardous Substances Information System
IATA	The International Air Transport Association
ICAO	The International Civil Aviation Organization
IFRA	The International Fragrance Association
IMDG	International Maritime Dangerous Goods
INCI	The International Nomenclature of Cosmetic Ingredients
kg	kilogram
LC50	LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours. This is normally quoted in mg/kg body weight.
LD50	LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals. This is normally quoted in mg/kg body weight.
LDLo	LDLO stands for Lethal Dose Low, the minimum amount of a material which tests have shown will be lethal to a specified type of animal. This is normally quoted in mg/kg body weight.
Lt	Litre

MATERIAL SAFETY DATA SHEET

Geranium Essential Oil – Certified Organic

Page: 11 of 11

16.6 ACRONYMS Continued

Max.	maximum
mg	milligram
Min.	minimum
ml	millilitre
m³	cubic metre
mm	millimetre
mm Hg	millimetre of Mercury
MSDS	Material Safety Data Sheet
N/A	Not Applicable
NICNAS	The National Industrial Chemicals Notification and Assessment Scheme (AUSTRALIA)
NIOSH	The National Institute for Occupational Safety and Health (USA)
NOHSC	National Occupational Health and Safety Commission (AUSTRALIA)
n.o.s.	Not otherwise specified
NZS	New Zealand Standard
OECD	Organization for Economic Co-operation and Development (Test Method number)
OSHA	The Occupational Safety and Health Administration (USA)
PEL	Permissible Exposure Limit
ppb	parts per billion
ppm	parts per million
RTECS	The Registry of Toxic Effects of Chemical Substances
SCCNFP	Scientific Committee on Cosmetic Products and Non-Food Products (EUROPE)
STEL	Short Term Exposure Limit
SUSMP	Standard for the Uniform Scheduling of Medicine & Poisons (AUSTRALIA)
TD	TD stands for Toxic Dose. TD is the amount of a material, given all at once, which causes the untoward symptoms in the majority of persons, or in the majority of a group of test animals. This is normally quoted in mg/kg body weight.
TGA	Therapeutic Goods Administration (AUSTRALIA)
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (number)
USA	The United States of America
µg	microgram
µl	microlitre

16.7 Data Sources: AICS; Australian Code for the Transport of Dangerous Goods by Road & Rail; CosIng; Supplier Documentation; EFFA; HSIS; IATA Dangerous Goods Regulations; IFRA; IMDG Code; The International Cosmetic Ingredient Dictionary and Handbook; NICNAS; SUSMP.

16.8 Document Prepared By: Brian Boggs, Document & Regulatory Chemist.