Page 1 of 10 Product: Hand Cleaner Issue Date: 8th July 2016 Revision: 1.0

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION: PRODUCT IDENTIFIER/CHEMICAL IDENTITY

1.1 PRODUCT IDENTIFIER: Hand Cleaner

1.2 PRODUCT CODE: MAHC

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

RELEVANT IDENTIFIED USES: Hand cleaner, solvent free.

RESTRICTIONS ON USE: None known.

1.4 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

SUPPLIER NAME: PENRITE OIL Company Pty Ltd (ABN: 25005 001 525),
ADDRESS (Australia): 110-116 Greens Road, Dandenong South VIC, Australia, 3175
TELEPHONE NUMBER (Australia): 1300 736 748; +61 3 9801 0877 (Int); Fax: 1800 736 748

ADDRESS (New Zealand): 75 Lady Ruby Drive, East Tamaki, Auckland, New Zealand, 2013

TELEPHONE NUMBER (New Zealand):0800 533 698; Fax: 0800 533 698 **E-MAIL:** <u>tech@penriteoil.com</u> (Aust and NZ)

1.5 EMERGENCY TEL. NUMBER: Australia: 1300 736 748; New Zealand: 0800 533 698

(Poisons Information Centre (Aust 131 126; NZ 0800 764 766)

1.6 HSNO DETAILS:

HSNO APPROVAL NUMBER: Not Applicable.

HSNO GROUP TITLE: Not Applicable.

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 not

be classified as hazardous.

2.2 LABEL ELEMENTS INCLUDING PRECAUTIONARY STATEMENTS:

SIGNAL WORD: Not Applicable.
PICTOGRAMS: Not Applicable.
HAZARD STATEMENTS: Not Applicable.

PRECAUTIONARY STATEMENTS:

PREVENTION: Not Applicable.
RESPONSE: Not Applicable.
STORAGE: Not Applicable.
DISPOSAL: Not Applicable.

2.3 OTHER HAZARDS: The mixture has a low order of toxicity associated with it. Excessive exposure

may result in mild irritation to the skin, eye or respiratory system. The product contains a d-Limonene component. This may produce an allergic reaction. 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.

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SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	Concentration % W/W	GHS Classification*
Surfactants	-	< 20%	Not Applic
Plant Extracts	-	< 5%	Not Applic
Ethanol, 2,2',2"-nitrilotris-			
[Triethanolamine]	102-71-6	< 1%	Skin Irrit 2 - H315
			Eye Irrit 2A - H319
			STOT SE 3 - H335
Cyclohexene, 1-methyl-4-(1-met	thylethenyl)-,(R)-		
[d-Limonene]	5989-27-5	< 1%	Flam Liq 3 - H226
			Skin Irrit 2 - H315
			Skin Sen 1 - H317
			Chron Aq Tox 1 - H410
Water	7732-18-5	To 100%	Not Applic

Not Applic = Not Applicable

SECTION 4 – FIRST AID MEASURES

4.1 DESCRIPTION OF NECESSARY FIRST AID MEASURES:

INGESTION:

Rinse mouth out with water. For advice, contact the Poisons Information Centre (phone Australia 131 126; New Zealand 0800 764 766). 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 a large quantity is ingested seek medical attention. If irritation develops or persists or vomiting has occurred after ingestion, seek 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. After flushing, if irritation develops or persists, seek medical assistance.

SKIN CONTACT:

If skin or hair contact has occurred remove any contaminated clothing and footwear, wash skin or hair thoroughly with water. If irritation develops or persists, consult a Doctor.

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 or 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 fresh water are recommended in the area where the product is used.

^{*}Please see Section 15 of this SDS for full text description of the Label Elements.

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SECTION 4 - FIRST AID MEASURES Continued

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

ACUTE:

Ingestion or inhalation of vapours may lead to irritation of the mouth and respiratory tract. Ingestion may lead to nausea and diarrhoea. Eye contact may lead to localised burning, redness and tearing. Skin contact may lead to redness

or itching.

CHRONIC: Skin contact may aggravate/exacerbate existing skin conditions, such as

dermatitis. The product contains a d-Limonene component. This 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,

foam, dry chemical or water spray. Spray down fumes resulting from fire.

UNSUITABLE MEDIA: Avoid using full water jet directed at residual material that may be burning 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 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 or Rubber gloves, glasses/goggles, boots and full-

length clothing. During routine operation 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.

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SECTION 6 – ACCIDENTAL RELEASE MEASURES Continued

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 pumped 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. 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.

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 and kept upright to prevent leakage.

INCOMPATIBILITIES: Strong oxidizing 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.

8.4 ENGINEERING CONTROLS:

8.3 CONTROL BANDING:

ENGINEERING CONTROLS: Special ventilation is not normally required when using this product in normal

use scenarios. However, at elevated temperatures, or in confined spaces mists or vapour may be generated and local exhaust ventilation should be provided to maintain airborne concentration levels below an acceptable level that does not

cause irritation.

No data available.

8.5 INDIVIDUAL PROTECTION MEASURES:

EYE & FACE PROTECTION: When handling the product in quantity, wear safety glasses/goggles to avoid eye

contact when handling. Use eye protection in accordance with AS 1336 and AS

1337.

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SECTION 8 – EXPOSURE CONTROLS & PERSONAL PROTECTION Cont'd

SKIN (HAND) PROTECTION: When handling the product in quantity, if there is the chance of contact with the

material wear gloves to provide hand protection. PVC or Rubber gloves are

recommended.

SKIN (CLOTHING)

PROTECTION: During normal operating procedures, long sleeved clothing is recommended 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 when handling

the product in quantity, mists or vapours are generated, an approved half face organic vapour/particulate respirator is required. Use respirators in accordance

with AS 1715 and AS 1716.

THERMAL PROTECTION: Not applicable.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE: Viscous light yellow gel containing particulate grit.

ODOUR: Citrus.

ODOUR THRESHOLD: No data available. pH: Typically 7.5 - 8.5. 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. No data available. VAPOUR DENSITY: SPECIFIC GRAVITY: Typically 0.99. **SOLUBILITY IN WATER (g/L):** Completely miscible.

PARTITION COEFFICIENT: No data available for n-octanol/water.

AUTO-IGNITION TEMP (°C): Not applicable.

DECOMPOSITION TEMP (°C): Not applicable.

VISCOSITY (cst @ 100°C): No data available.

VISCOSITY (cst @ 40°C): 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. 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.

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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.

Triethanolamine

Acute Toxicity, Oral LD₅₀ (rat): > 5,000 mg/kg bw Acute Toxicity, Dermal LD₅₀ (rabbit): > 2,000 mg/kg bw

d-Limonene

Acute Toxicity, Oral LD₅₀ (rat): 4,400 mg/kg Acute Toxicity, Oral LD₅₀ (mice): 5,600 mg/kg

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 and may cause nausea and vomiting. During normal usage ingestion should

not be a means of exposure.

11.3 SKIN CORROSION/ IRRITATION:

This product is not expected to exhibit Dermal Corrosivity/Irritation, based on the available data and the known hazards of the components when used as a hand cleaner. This product contains components that are rated as Causes skin irritation, however these are present at amounts well below the Concentration cut-off levels. May be mildly irritating to skin in bulk use scenarios. Correct handling procedures incorporating appropriate protective clothing and gloves should minimise the risk of skin irritation for those handling the product in bulk. 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:

This product is not expected to exhibit Eye Irritation or Serious Damage/Corrosivity, based on the available data and the known hazards of the components. The product contains a component that is rated as Causes serious eye irritation, however this is present at amounts well below the Concentration cut-off levels. May be mildly irritating to the eyes. Symptoms may include localised burning, redness 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. The product contains a d-Limonene component which is rated as May cause an allergic skin reaction, however this is present at amounts well below the Concentration cut-off levels. 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:

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. This product contains a component that is rated as May cause respiratory irritation, however this is present at amounts well below the Concentration cut-off levels. Though not classified as a respiratory irritant, inhalation of vapours or mist (generated at elevated temperatures or possibly by mechanical action when handling the product in bulk) may cause irritation to the nose, throat and respiratory system.

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SECTION 11 – TOXICOLOGICAL INFORMATION Continued

11.10 SPECIFIC TARGET ORGAN TOXICITY (STOT) -

REPEATED EXPOSURE: 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.

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. 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: There is no data available for the product as a whole. The product contains d-

Limonene that has been rated as Very toxic to aquatic life with long lasting effects. Based upon calculated values, the overall product would not be

expected to be rated.

12.2 PERSISTENCE & DEGRADABILITY:

There is no data available for the product as a whole. The manufacturer reports

that the anionic and non-ionic surfactants used in this product are readily

biodegradable.

12.3 BIOACCUMULATIVE

POTENTIAL:

There is no data available for the product as a whole. Studies suggest the risk of bioaccumulation by the d-Limonene component in aquatic species is high.

However, this is present at very small quantities in the finished product.

12.4 MOBILITY IN SOIL:

12.5 OTHER ADVERSE

EFFECTS:

There is no data available for the product as a whole.

There is no data available for the product as a whole. The product is miscible in water. The manufacturer recommends to avoid contaminating the environment

with the concentrated material.

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 reconditioned or disposed of. Empty containers should be taken for recycling or disposal through suitably licensed contractors in

accordance with Government regulations.

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SECTION 14 – TRANSPORT INFORMATION

This product is not regulated for land, sea or air transportation. (HS Code: 3401.19.90.30).

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 scheduled.

AICS:
MONTREAL PROTOCOL:
STOCKHOLM CONVENTION:
ROTTERDAM CONVENTION:
BASEL CONVENTION:

All ingredients are on the AICS List.
Not applicable to this product.
Not applicable to this product.
Not applicable to this product.

INTERNATIONAL CONVENTION FOR THE PREVENTION OF POLLUTION FROM

SHIPS (MARPOL): Not determined.

OTHER REGULATORY INFORMATION:

GHS CLASSIFICATION HAZARD CLASS & CATEGORY

AND HAZARD STATEMENT: Flammable Liquids Category 3; H226 - Flammable liquid and vapour.

Skin Irritation Category 2; H315 - Causes skin irritation.

Sensitisation - Skin Category 1; H317 - May cause an allergic skin reaction.

Eye Irritation Category 2A; H319 - Causes serious eye irritation.

Specific Target Organ Toxicity (Single Exposure) Category 3; H335 - May

cause respiratory irritation.

Chronic Aquatic Toxicity Category 1; H410 - Very toxic to aquatic life with long

lasting effects.

HSNO APPROVAL NUMBER: Not applicable. **HSNO GROUP TITLE:** Not applicable.

SECTION 16 – ANY OTHER RELEVANT INFORMATION

SDS INFORMATION:

Date of SDS Preparation: 08th July 2016 Revision: 1.0

REVISION CHANGES: New formulation and supplier information, changes to sections 1, 2, 3, 4, 5, 9,

11, 12, 15, 16.

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

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

NOHSC National Occupational Health and Safety Commission

NICNAS National Industrial Chemicals Notification & Assessment Scheme

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.

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SECTION 16 – ANY OTHER RELEVANT INFORMATION Continued

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 Substance 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 Limonene (CAS No: 5989-27-5) Safety Fact Sheet

NICNAS IMAP Human Health Tier II Assessment for Ethanol, 2,2',2"-nitrilotris- CAS Number: 102-71-6

All information contained in this Safety Data Sheet and the health, safety and environmental information are considered to be accurate to the best of our knowledge as of the issue date specified above. However, no warranty or representation, expressed or implied, is made as to the accuracy or completeness of the data and information contained in this data sheet.

Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The Company accepts no responsibility for any injury, loss or damage, resulting from abnormal use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material.