# SAFETY DATA SHEET

**Revision date:** 24-Oct-2024

**Revision Number** 6

## Section 1: Identification

**Product identifier**

**Product Name** NINOL 40-CO

**Product Code(s)** 000000019172

**Other means of identification**

**Synonyms** NINOL 40-CO-E

**Recommended use of the chemical and restrictions on use**

**Recommended use** Surfactant.
For industrial use only.

**Uses advised against** No information available.

**Banned and/or restricted** This product contains one or more substance(s) subject to prohibition, authorization or restriction.

**Details of manufacturer or importer**

**Supplier**
IXOM Operations Pty Ltd
ABN: 51 600 546 512
Level 8, 1 Nicholson Street
Melbourne 3000
Australia

Telephone Number: +61 3 9906 3000

**Emergency telephone number**

Emergency telephone number **1 800 033 111 (ALL HOURS)**

Please ensure you refer to the limitations of this Safety Data Sheet as set out in the "Other Information" section at the end of this Data Sheet.

## Section 2: Hazard identification

Classified as a hazardous substance in accordance with the criteria of Safe Work Australia - Globally Harmonized System (GHS). Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

**GHS Classification**

| | |
|---|---|
| **Skin corrosion/irritation** | Category 2 |
| **Serious eye damage/eye irritation** | Category 1 |

**Label elements**
Corrosion

**Signal word**
DANGER

**Hazard statements**
H315 - Causes skin irritation
H318 - Causes serious eye damage

**Precautionary Statements - Prevention**
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash face, hands and any exposed skin thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/clothing and eye/face protection.
**Precautionary Statements - Response**
Specific treatment (see First aid on this SDS).
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.
**Precautionary Statements - Storage**
No storage statements.
**Precautionary Statements - Disposal**
Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

**Other hazards which do not result in classification**
Toxic to aquatic life.
Harmful to aquatic life with long lasting effects.

## Section 3: Composition and information on ingredients

| Chemical name | CAS No. | Weight-% |
|---|---|---|
| N,N-Bis(2-hydroxyethyl) coconut oil amide | 68603-42-9 | >85% |
| Glycerol | 56-81-5 | <10% |
| Diethanolamine | 111-42-2 | <5% |
| Methanol (methyl alcohol) | 67-56-1 | <1% |

## Section 4: First aid measures

**Description of first aid measures**

**General advice** For advice, contact a Poisons Information Centre (e.g. phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

**Inhalation** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. (Call a physician if symptoms occur).

**Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin contact** Wash skin with soap and water. Get medical attention immediately if symptoms occur.

**Ingestion** Clean mouth with water. Drink 1 or 2 glasses of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** Irritation/Corrosion. May cause redness and tearing of the eyes. Erythema (skin redness).

**Effects of Exposure** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically. Can cause corneal burns. Symptoms may be delayed.

## Section 5: Firefighting measures

**Suitable Extinguishing Media**

**Suitable extinguishing media** Dry chemical, CO2, water spray or alcohol-resistant foam.

**Unsuitable extinguishing media** Solid water jet/stream may scatter and spread the fire.

**Specific hazards arising from the chemical**

**Specific hazards arising from the chemical** Combustible material. Vapors may form explosive mixture with air. Pay attention to flashback. Sustained burning was not present with this material.

**Hazardous combustion products** Carbon oxides. Nitrogen oxides.

**Special protective actions for fire-fighters**

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## Section 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Avoid contact with skin, eyes and inhalation of vapors. Do not touch or walk through spilled material. Stop leak if you can do it without risk. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Use personal protective equipment as required. Wash thoroughly after handling.

**For emergency responders** Use personal protection recommended in Section 8.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Use a non-combustible material like vermiculite, sand or earth to soak up the product and

place into a container for later disposal. Never return spill or leaks to original containers for re-use. After cleaning, flush away traces with water.

## Section 7: Handling and storage

**Precautions for safe handling**

**Advice on safe handling** Avoid contact with skin and eyes. Avoid breathing vapors or mists. Use personal protection equipment. Wash thoroughly after handling. Remove all sources of ignition.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep container closed when not in use.

Classified as a C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

**Incompatible materials** Strong oxidizing agents. Strong acids. Peroxides. Phenols.

## Section 8: Exposure controls and personal protection

**Control parameters**

**Exposure Limits** No value assigned for this specific material by Safe Work Australia. However, Workplace Exposure Standard(s) for constituent(s):

| Chemical name | Australia | New Zealand | ACGIH TLV |
|---|---|---|---|
| Glycerol<br>56-81-5 | TWA: 10 mg/m³ | TWA: 10 mg/m³ | - |
| Diethanolamine<br>111-42-2 | TWA: 3 ppm<br>TWA: 13 mg/m³ | TWA: 3 ppm<br>TWA: 13 mg/m³<br>Sk* | TWA: 1 mg/m³ inhalable fraction and vapor<br>Sk* |

| Chemical name | European Union | United Kingdom | Germany DFG |
|---|---|---|---|
| Glycerol<br>56-81-5 | - | TWA: 10 mg/m³<br>STEL: 30 mg/m³ | TWA: 200 mg/m³<br>Peak: 400 mg/m³ |
| Diethanolamine<br>111-42-2 | - | - | TWA: 1 mg/m³<br>Peak: 1 mg/m³<br>Sk*<br>skin sensitizer |

Glycerin (Glycerol) mist: 8hr TWA = 10 mg/m³
Diethanolamine: 8hr TWA = 13 mg/m³ (3 ppm)
Methyl alcohol (Methanol): 8hr TWA = 262 mg/m³ (200 ppm), 15 min STEL = 328 mg/m³ (250 ppm), Sk

As published by Safe Work Australia Workplace Exposure Standards for Airborne Contaminants.

TWA - The time-weighted average airborne concentration of a particular substance when calculated over an eight-hour working day, for a five-day working week.

STEL (Short Term Exposure Limit) - the airborne concentration of a particular substance calculated as a time-weighted average over 15 minutes, which should not be exceeded at any time during a normal eight hour work day. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.

`Sk' (skin) Notice - absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

**Appropriate engineering controls**

**Engineering controls** Eyewash stations. Ensure adequate ventilation, especially in confined areas. Apply technical measures to comply with the occupational exposure limits.

If in the handling and application of this material, safe exposure levels could be exceeded, the use of engineering controls such as local exhaust ventilation must be considered and the results documented. If achieving safe exposure levels does not require engineering controls, then a detailed and documented risk assessment using the relevant Personal Protective Equipment (PPE) (refer to PPE section below) as a basis must be carried out to determine the minimum PPE requirements.

**Individual protection measures, such as personal protective equipment**

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES.

**Eye/face protection** Tight sealing safety goggles.

**Skin and body protection** Boots. Impervious clothing. Overalls.

**Hand protection** Impervious gloves.

**Respiratory protection** If determined by a risk assessment an inhalation risk exists, wear an organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

**Environmental exposure controls** No information available.

**Thermal hazards** No information available.

## Section 9: Physical and chemical properties

**Information on basic physical and chemical properties**

| | |
|---|---|
| **Physical state** | Liquid |
| **Appearance** | Clear , Viscous |
| **Color** | No information available |
| **Odor** | No information available |
| **Odor threshold** | No information available |

| **Property** | **Values** | **Remarks • Method** |
|---|---|---|
| **pH** | 9.7-11 (1% in water) | None known |
| **pH (as aqueous solution)** | No data available | None known |
| **Melting point / freezing point** | 0°C | None known |
| **Boiling point / boiling range** | 150°C | None known |
| **Flash point** | >93.9°C | Pensky-Martens Closed Cup (PMCC) |

| | | |
|---|---|---|
| **Evaporation rate** | No data available | None known |
| **Flammability (solid, gas)** | No data available | None known |
| **Flammability Limit in Air** | | None known |
| **Upper flammability or explosive limits** | No data available | |
| **Lower flammability or explosive limits** | No data available | |
| **Vapor pressure** | No data available | None known |
| **Vapor density** | No data available | None known |
| **Relative density** | 1 | None known |
| **Water solubility** | No data available | None known |
| **Solubility(ies)** | No data available | None known |
| **Partition coefficient** | No data available | None known |
| **Autoignition temperature** | No data available | None known |
| **Decomposition temperature** | No data available | None known |
| **Kinematic viscosity** | No data available | None known |
| **Dynamic viscosity** | 1172 cP @25°C | None known |

**Other information**

**Pour Point** 3°C

## Section 10: Stability and reactivity

**Reactivity**

**Reactivity** Non-reactive under normal conditions of use, storage and transport.

**Chemical stability**

**Stability** Stable under normal conditions.

**Explosion data**
**Sensitivity to mechanical impact** None.
**Sensitivity to static discharge** None.

**Possibility of hazardous reactions**

**Possibility of hazardous reactions** None under normal processing.

**Conditions to avoid**

**Conditions to avoid** Heat, flames and sparks.

**Incompatible materials**

**Incompatible materials** Strong oxidizing agents. Strong acids. Peroxides. Phenols.

**Hazardous decomposition products**

**Hazardous decomposition products** Carbon oxides. Nitrogen oxides.

## Section 11: Toxicological information

**Information on likely routes of exposure**

**Product Information** No adverse health effects expected if the chemical is handled in accordance with this Safety Data Sheet and the chemical label. Symptoms or effects that may arise if the chemical is mishandled and overexposure occurs are:

**Inhalation** May cause irritation.

**Eye contact** Severely irritating to eyes. Causes serious eye damage.

**Skin contact** Causes skin irritation.

**Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Symptoms** Irritation/Corrosion. May cause redness and tearing of the eyes. Erythema (skin redness).

**Acute toxicity** .

**Numerical measures of toxicity - Product Information**

**On basis of test data**
**Oral LD50** > 5000 mg/kg (rat)
**Dermal LD50** > 2000 mg/kg (rabbit)

**Component Information**

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| N,N-Bis(2-hydroxyethyl) coconut oil amide | > 5000 mg/kg ( Rat ) | > 2 g/kg ( Rabbit ) | - |
| Glycerol | = 12600 mg/kg ( Rat ) | > 10 000 mg/kg ( Rabbit ) | > 2.75 mg/L ( Rat ) 4 h |
| Diethanolamine | = 780 mg/kg ( Rat ) | = 11.9 mL/kg ( Rabbit ) | - |
| Methanol (methyl alcohol) | = 6200 mg/kg ( Rat ) | = 15840 mg/kg ( Rabbit ) | = 22500 ppm ( Rat ) 8 h |

*See section 16 for terms and abbreviations*

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** Causes skin irritation.

**Serious eye damage/eye irritation** Causes serious eye damage.

**Respiratory or skin sensitization** Not a respiratory sensitizer.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** Refer to 'Chronic effects' section below.

| Chemical name | Australia | European Union | IARC |
|---|---|---|---|
| N,N-Bis(2-hydroxyethyl) coconut oil amide - 68603-42-9 | - | - | Group 2B |
| Diethanolamine - 111-42-2 | - | - | Group 2B |

**Reproductive toxicity** This product contains diethanolamine (DEA). In laboratory animal studies, effects on reproduction have been seen only at high doses of DEA that produced significant toxicity to the parent animals. Repeated excessive exposures to high amounts of DEA may cause effects on testes and fertility in males. DEA has also been shown to cause developmental toxicity in laboratory animals, however, these effects were only seen at high doses in the

presence of maternal toxicity.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

**Chronic effects:** Diethanolamine has been classified by the International Agency for Research on Cancer (IARC) as a Group 2B agent. The agent is possibly carcinogenic to humans.
Coconut oil diethanolamine condensate has been classified by the International Agency for Research on Cancer (IARC) as a Group 2B agent. The agent is possibly carcinogenic to humans. Prolonged inhalation may be harmful.

## Section 12: Ecological information

**Ecotoxicity**

**Aquatic ecotoxicity** Keep out of waterways. Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Algae LC50 Algae < 10 mg/L, 72 hours
Crustacea LC50 Daphnia < 10 mg/L, 48 hours
Fish LC50 Fish < 10 mg/L, 96 hours.

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---|---|---|---|---|
| N,N-Bis(2-hydroxyethyl) coconut oil amide | - | LC50: =3.6mg/L (96h, Brachydanio rerio) | - | - |
| Glycerol | - | LC50: 51 - 57mL/L (96h, Oncorhynchus mykiss) | - | - |
| Diethanolamine | EC50: =7.8mg/L (72h, Desmodesmus subspicatus)<br>EC50: 2.1 - 2.3mg/L (96h, Pseudokirchneriella subcapitata) | LC50: 4460 - 4980mg/L (96h, Pimephales promelas)<br>LC50: 1200 - 1580mg/L (96h, Pimephales promelas)<br>LC50: 600 - 1000mg/L (96h, Lepomis macrochirus) | - | EC50: =55mg/L (48h, Daphnia magna) |
| Methanol (methyl alcohol) | - | LC50: =28200mg/L (96h, Pimephales promelas)<br>LC50: >100mg/L (96h, Pimephales promelas)<br>LC50: 19500 - 20700mg/L (96h, Oncorhynchus mykiss)<br>LC50: 18 - 20mL/L (96h, Oncorhynchus mykiss)<br>LC50: 13500 - 17600mg/L (96h, Lepomis macrochirus) | - | - |

**Terrestrial ecotoxicity**

| Chemical name | Earthworm | Avian | Honeybees |
|---|---|---|---|
| Methanol (methyl alcohol) | Acute Toxicity: LC50 > 1 mg/cm2 (Eisenia foetida 48 h filter paper) Source: IUCLID | - | - |

**Persistence and degradability**

**Persistence and degradability** Readily biodegradable.

**Bioaccumulative potential**

**Bioaccumulation** There is no data for this product.

**Component Information**

| Chemical name | Partition coefficient |
|---|---|
| Glycerol | -1.75 |
| Diethanolamine | -2.46 |
| Methanol (methyl alcohol) | -0.77 |

**Mobility**

**Mobility** No information available.

**Other adverse effects**

**Other adverse effects** No information available.

## Section 13: Disposal considerations

**Waste treatment methods**

**Waste from residues/unused products** Dispose of in accordance with federal, state and local regulations.

**Contaminated packaging** Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers. Empty containers should be taken to an approved waste handling site for recycling or disposal.

*See section 8 for more information*

## Section 14: Transport information

**ADG** Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

**IATA** Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

**IMDG** Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
No information available

## Section 15: Regulatory information

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**National regulations**

**Australia**

Classified as a hazardous substance in accordance with the criteria of Safe Work Australia - Globally Harmonized System (GHS).
Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.
See section 8 for national exposure control parameters

**Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)**
No poisons schedule number allocated

**Poison Schedule Number** Not applicable

**Australian Industrial Chemicals Introduction Scheme (AICIS)**
Contact supplier for inventory compliance status

| Chemical name | Australian Industrial Chemicals Introduction Scheme (AICIS) | Additional information |
|---|---|---|
| N,N-Bis(2-hydroxyethyl) coconut oil amide - 68603-42-9 | Present | - |
| Glycerol - 56-81-5 | Present | - |
| Diethanolamine - 111-42-2 | Present | - |
| Methanol (methyl alcohol) - 67-56-1 | Present | - |

**Illicit Drug Precursors/Reagents**
This product does not contain any substance(s) on the Illicit Drug Precursors/Reagents list.

**National pollutant inventory**
Subject to reporting requirement

| Chemical name | National pollutant inventory |
|---|---|
| Diethanolamine - 111-42-2 | 20 MW Threshold category 2b total<br>60000 MWH Threshold category 2b total<br>1 tonne/h Threshold category 2a total<br>25 tonne/yr Threshold category 1a total<br>400 tonne/yr Threshold category 2a total<br>2000 tonne/yr Threshold category 2b total |
| Methanol (methyl alcohol) - 67-56-1 | 10 tonne/yr Threshold category 1 |

**Banned and/or restricted**
This product contains one or more substance(s) subject to prohibition, authorization or restriction.

| Chemical name | Carcinogen | Restricted substance |
|---|---|---|
| Methanol (methyl alcohol) - 67-56-1 | - | For spray painting at a concentration of >1% by volume |

**International Inventories**

| | |
|---|---|
| **AIIC** | All the constituents of this material are listed on the Australian Inventory of Industrial Chemicals. |
| **NZIoC** | Contact supplier for inventory compliance status. |

| | |
|---|---|
| **TSCA** | Contact supplier for inventory compliance status. |
| **DSL/NDSL** | Contact supplier for inventory compliance status. |
| **EINECS/ELINCS** | Contact supplier for inventory compliance status. |
| **ENCS** | Contact supplier for inventory compliance status. |
| **IECSC** | Contact supplier for inventory compliance status. |
| **KECL** | Contact supplier for inventory compliance status. |
| **PICCS** | Contact supplier for inventory compliance status. |

**Legend:**
**AIIC- Australian Inventory of Industrial Chemicals**
**NZIoC - New Zealand Inventory of Chemicals**
**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
**ENCS** - Japan Existing and New Chemical Substances
**IECSC** - China Inventory of Existing Chemical Substances
**KECL** - Korean Existing and Evaluated Chemical Substances
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**International Regulations**

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

## Section 16: Other information

Supplier Safety Data Sheet 02/ 2022

| | |
|---|---|
| **Reason(s) For Issue:** | Addition/Change of synonymous name(s)<br>Change in Formatting |
| **Prepared By** | This Safety Data Sheet has been prepared by IXOM Operations Pty Ltd (Toxicology and SDS Services). |
| **Revision date:** | 24-Oct-2024 |

**Revision Note:**

The symbol (*) in the margin of this SDS indicates that this line has been revised.

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Legend**
SVHC: Substances of Very High Concern for Authorization:
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances
STOT: Specific Target Organ Toxicity
ATE: Acute Toxicity Estimate
LC50: 50% Lethal Concentration
LD50: 50% Lethal Dose

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

| | | | |
|---|---|---|---|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value | * | Skin designation |
| C | Carcinogen | | |

**Key literature references and sources for data used to compile the SDS**
Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
Australian Industrial Chemicals Introduction Scheme (AICIS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

**Disclaimer**
**This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since IXOM Operations Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.**

**If clarification or further information is needed, the user should contact their IXOM representative or IXOM Operations Pty Ltd at the contact details on page 1.**

**IXOM Operations Pty Ltd's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.**

**End of Safety Data Sheet**