

### 1. IDENTIFICATION

|                            |  |
|----------------------------|--|
| <b>Product Name</b>        | <b>Monoethylene glycol</b>   |
| <b>Other Names</b>         | Ethylene glycol; Glycol; MEG   |
| <b>Uses</b>                | Cleaning/washing products; brake fluids; anti-freeze agents; corrosion inhibitors. |
| <b>Chemical Family</b>     | No Data Available  |
| <b>Chemical Formula</b>    | C <sub>2</sub> H <sub>6</sub> O <sub>2</sub>                                       |
| <b>Chemical Name</b>       | 1,2-Ethanediol   |
| <b>Product Description</b> | No Data Available  |

#### Contact Details of the Supplier of this Safety Data Sheet

| Organisation            | Location   | Telephone       |
|-------------------------|--|-----------------|
| Redox Pty Ltd           | 2 Swettenham Road<br>Minto NSW 2566<br>Australia   | +61-2-97333000  |
| Redox Pty Ltd           | 11 Mayo Road<br>Wiri Auckland 2104<br>New Zealand  | +64-9-2506222   |
| Redox Inc.              | 3960 Paramount Boulevard<br>Suite 107<br>Lakewood CA 90712<br>USA  | +1-424-675-3200 |
| Redox Chemicals Sdn Bhd | Level 2, No. 8, Jalan Sapir 33/7<br>Seksyen 33, Shah Alam Premier Industrial Park<br>40400 Shah Alam<br>Sengalor, Malaysia | +60-3-5614-2111 |

#### Emergency Contact Details

*For emergencies only; DO NOT contact these companies for general product advice.*

| Organisation               | Location     | Telephone                                  |
|----------------------------|--------------|--|
| Poisons Information Centre | Westmead NSW | 1800-251525<br>131126                      |
| Chemcall                   | Australia    | 1800-127406<br>+64-4-9179888               |
| Chemcall                   | Malaysia     | +64-4-9179888                              |
| Chemcall                   | New Zealand  | 0800-243622<br>+64-4-9179888               |
| National Poisons Centre    | New Zealand  | 0800-764766                                |
| CHEMTREC                   | USA & Canada | 1-800-424-9300 CN723420<br>+1-703-527-3887 |

### 2. HAZARD IDENTIFICATION

**Poisons Schedule (Aust)** Schedule 6

#### Globally Harmonised System

**Hazard Classification** Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

**Hazard Categories** Acute Toxicity (Oral) - Category 4  
 Specific Target Organ Toxicity (Single Exposure) - Category 3  
 Specific Target Organ Toxicity (Repeated Exposure) - Category 2

**Pictograms**



**Signal Word** Warning

**Hazard Statements**

**H302** Harmful if swallowed.  
**H335** May cause respiratory irritation.  
**H373** May cause damage to organs through prolonged or repeated exposure.

**Precautionary Statements**

|            |                    |   |
|------------|--------------------|---|
| Prevention | <b>P260</b>        | Do not breathe mist/vapour/spray.   |
|            | <b>P264</b>        | Wash hands thoroughly after handling.   |
|            | <b>P270</b>        | Do not eat, drink or smoke when using this product.   |
|            | <b>P271</b>        | Use only outdoors or in a well-ventilated area.   |
| Response   | <b>P312</b>        | Call a POISON CENTER or doctor/physician if you feel unwell.  |
|            | <b>P330</b>        | Rinse mouth.  |
|            | <b>P304 + P340</b> | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.          |
| Storage    | <b>P403 + P233</b> | Store in a well-ventilated place. Keep container tightly closed.  |
|            | <b>P405</b>        | Store locked up.  |
| Disposal   | <b>P501</b>        | Dispose of contents/container in accordance with local / regional / national / international regulations. |

**National Transport Commission (Australia)**

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

**Dangerous Goods Classification** NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

**Environmental Protection Authority (New Zealand)**

Hazardous Substances and New Organisms Amendment Act 2015

**HSNO Classifications**

|                       |             |   |
|-----------------------|-------------|---|
| Health Hazards        | <b>6.1D</b> | Substances that are acutely toxic - Harmful                 |
|                       | <b>6.4A</b> | Substances that are irritating to the eye                   |
|                       | <b>6.9A</b> | Substances that are toxic to human target organs or systems |
| Environmental Hazards | <b>9.3C</b> | Substances that are harmful to terrestrial vertebrates      |

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

*Ingredients*

| Chemical Entity | Formula | CAS Number | Proportion |
|-----------------|---------|------------|------------|
| Ethylene glycol | C2H6O2  | 107-21-1   | <=100 %    |

#### 4. FIRST AID MEASURES

##### *Description of necessary measures according to routes of exposure*

|  |  |
|--|--|
| <b>Swallowed</b>                                 | IF SWALLOWED: Rinse mouth. Immediately call a Poison Centre or doctor/physician for advice. Urgent hospital treatment is likely to be needed. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Never give anything by mouth to an unconscious person.  |
| <b>Eye</b>                                       | IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for 10 - 15 minutes. If eye irritation persists, get medical advice/attention.  |
| <b>Skin</b>                                      | IF ON SKIN: Remove contaminated clothing and shoes immediately. Flush skin with running water for at least 15 minutes. If skin irritation occurs, get medical advice/attention.  |
| <b>Inhaled</b>                                   | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a Poison Centre or doctor/physician for advice. Apply resuscitation if victim is not breathing - Administer oxygen if breathing is difficult.  |
| <b>Advice to Doctor</b>                          | Early treatment of ingestion is important - emesis or lavage is effective only in the first few hours. Test and correct for metabolic acidosis and hypocalcaemia. Apply sustained diuresis when possible with hypertonic mannitol. Evaluate renal status and begin haemodialysis if indicated. Correct acidosis, fluid/electrolyte balance and respiratory depression. Ethanol therapy prolongs the half-life of ethylene glycol and reduces the formation of toxic metabolites. |
| <b>Medical Conditions Aggravated by Exposure</b> | No information available.  |

#### 5. FIRE FIGHTING MEASURES

|   |  |
|---|--|
| <b>General Measures</b>                   | If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out.                           |
| <b>Flammability Conditions</b>            | Combustible liquid; Slight fire hazard when exposed to heat or flame.  |
| <b>Extinguishing Media</b>                | Use dry chemical, Carbon dioxide (CO <sub>2</sub> ), foam or water spray for extinction - Do not use water jets.                                     |
| <b>Fire and Explosion Hazard</b>          | Containers may explode when heated.  |
| <b>Hazardous Products of Combustion</b>   | Fire may produce irritating, toxic and/or corrosive fumes, including Carbon oxides and other pyrolysis products typical of burning organic material. |
| <b>Special Fire Fighting Instructions</b> | Contain runoff from fire control or dilution water - Runoff may pollute waterways.   |
| <b>Personal Protective Equipment</b>      | Wear self-contained breathing apparatus (SCBA) and chemical splash suit. SCBA and structural firefighter's uniform may provide limited protection.   |
| <b>Flash Point</b>                        | 111 °C [Closed cup]  |
| <b>Lower Explosion Limit</b>              | 3.2 %  |
| <b>Upper Explosion Limit</b>              | 15.3 %   |
| <b>Auto Ignition Temperature</b>          | 398 °C   |
| <b>Hazchem Code</b>                       | No Data Available  |

#### 6. ACCIDENTAL RELEASE MEASURES

|   |  |
|---|--|
| <b>General Response Procedure</b>           | Ensure adequate ventilation. ELIMINATE all ignition sources. Do not touch or walk through spilled material. Do not breathe vapours and avoid contact with eyes, skin and clothing. |
| <b>Clean Up Procedures</b>                  | Absorb with earth, sand or other non-combustible material and transfer to a suitable, properly labelled container for disposal (see SECTION 13).                                   |
| <b>Containment</b>                          | Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas.   |
| <b>Decontamination</b>                      | Wash area down with excess water.  |
| <b>Environmental Precautionary Measures</b> | Prevent entry into drains and waterways.   |
| <b>Evacuation Criteria</b>                  | Spill or leak area should be isolated immediately. Keep unauthorised personnel away.   |

**Personal Precautionary Measures**

Wear self-contained breathing apparatus (SCBA) and chemical splash suit. SCBA and structural firefighter's uniform may provide limited protection.

**7. HANDLING AND STORAGE**

**Handling**

Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation - Use only outdoors or in a well-ventilated area. Handle in accordance with good industrial hygiene and safety practice. Do not breathe mist/vapours/spray and avoid contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8).

**Storage**

Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep container tightly closed. Keep away from heat and sources of ignition - No smoking. Keep away from foodstuffs and incompatible materials (see SECTION 10). Store locked up.

**Container**

Keep in the original container.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**General**

For Ethylene glycol (CAS No. 107-21-1):  
 - Safe Work Australia Exposure Standard (particulate): TWA = 10 mg/m3.  
 - Safe Work Australia Exposure Standard (vapour): TWA = 20 ppm (52 mg/m3); STEL = 40 ppm (104 mg/m3).  
 \*Absorption through the skin may be a significant source of exposure (Sk).  
 - New Zealand Workplace Exposure Standard (vapour and mist): Ceiling 50 ppm (127 mg/m3).

**Exposure Limits**

No Data Available

**Biological Limits**

No information available.

**Engineering Measures**

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

**Personal Protection Equipment**

- Respiratory protection: In case of inadequate ventilation, wear respiratory protection. Recommended: Organic vapour/particulate (A/P) filter respirator (refer to AS/NZS 1715 & 1716).  
 - Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Safety glasses with side-shields; Chemical goggles.  
 - Hand protection: Handle with gloves. Recommended: Recommended: Impervious gloves, e.g. PVC.  
 - Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Overalls, PVC apron, safety shoes or boots.

**Special Hazards Precautions**

No information available.

**Work Hygienic Practices**

Do not eat, drink or smoke when using this product. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State**

Liquid

**Appearance**

Liquid.

**Odour**

Mild Sweet

**Colour**

Colourless

**pH**

No Data Available

**Vapour Pressure**

0.08 hPa (@ 20 °C)

**Relative Vapour Density**

2.2 Air = 1

**Boiling Point**

197 °C

**Melting Point**

No Data Available

**Freezing Point**

No Data Available

**Solubility**

Completely soluble

**Specific Gravity**

1.12

|   |  |
|---|--|
| <b>Flash Point</b>  | 111 °C [Closed cup]  |
| <b>Auto Ignition Temp</b>   | 398 °C   |
| <b>Evaporation Rate</b>   | No Data Available  |
| <b>Bulk Density</b>   | No Data Available  |
| <b>Corrosion Rate</b>   | No Data Available  |
| <b>Decomposition Temperature</b>                                      | No Data Available  |
| <b>Density</b>  | No Data Available  |
| <b>Specific Heat</b>  | No Data Available  |
| <b>Molecular Weight</b>   | No Data Available  |
| <b>Net Propellant Weight</b>  | No Data Available  |
| <b>Octanol Water Coefficient</b>                                      | No Data Available  |
| <b>Particle Size</b>  | No Data Available  |
| <b>Partition Coefficient</b>  | No Data Available  |
| <b>Saturated Vapour Concentration</b>                                 | No Data Available  |
| <b>Vapour Temperature</b>   | No Data Available  |
| <b>Viscosity</b>  | 21 cP (@ 20 °C)  |
| <b>Volatile Percent</b>   | nil  |
| <b>VOC Volume</b>   | No Data Available  |
| <b>Additional Characteristics</b>                                     | Material is hygroscopic, i.e. absorbs moisture from the air.   |
| <b>Potential for Dust Explosion</b>                                   | Not applicable.  |
| <b>Fast or Intensely Burning Characteristics</b>                      | No information available.  |
| <b>Flame Propagation or Burning Rate of Solid Materials</b>           | No information available.  |
| <b>Non-Flammables That Could Contribute Unusual Hazards to a Fire</b> | No information available.  |
| <b>Properties That May Initiate or Contribute to Fire Intensity</b>   | Combustible liquid; Slight fire hazard when exposed to heat or flame.  |
| <b>Reactions That Release Gases or Vapours</b>                        | Fire/decomposition may produce irritating, toxic and/or corrosive fumes, including Carbon oxides and other pyrolysis products typical of burning organic material. |
| <b>Release of Invisible Flammable Vapours and Gases</b>               | No information available.  |

## 10. STABILITY AND REACTIVITY

|   |  |
|---|--|
| <b>General Information</b>              | No information available.  |
| <b>Chemical Stability</b>               | Product is considered stable; Unstable in the presence of incompatible materials.  |
| <b>Conditions to Avoid</b>              | Keep away from heat and sources of ignition.   |
| <b>Materials to Avoid</b>               | Incompatible/reactive with oxidisers and oxidising acids, sulfuric acid, chlorosulfonic acid, chromyl chloride, perchloric acid; sodium perchlorate; strong acids and bases, caustics, aliphatic amines, isocyanates, oleum, potassium bichromate, phosphorus pentasulfide, sodium chlorite. |
| <b>Hazardous Decomposition Products</b> | Fire/decomposition may produce irritating, toxic and/or corrosive fumes, including Carbon oxides and other pyrolysis products typical of burning organic material.   |
| <b>Hazardous Polymerisation</b>         | Hazardous polymerisation will not occur.   |

## 11. TOXICOLOGICAL INFORMATION

|                            |  |
|----------------------------|--|
| <b>General Information</b> | - Acute toxicity: Harmful if swallowed. Mortality has been observed in humans following intentional or accidental ingestion of ethylene glycol. Initial symptoms include central nervous system depression with ataxia, slurred speech, somnolence, convulsions and gastrointestinal upset; metabolic acidosis with reductions in blood pH and |
|----------------------------|--|

- cardiopulmonary effects, such as pulmonary oedema and cardiac failure (after 12 - 72 hrs); renal toxicity (after 24 - 72 hrs); possible deafness, facial paralysis and other neurological effects (after 6 or more days).
- Skin corrosion/irritation: May cause mild skin irritation.
- Eye damage/irritation: Causes mild eye irritation.
- Respiratory/skin sensitisation: Not found to induce dermal sensitisation.
- Germ cell mutagenicity: Not considered to be genotoxic.
- Carcinogenicity: Not considered to be a carcinogen.
- Reproductive toxicity: Not toxic to reproduction.
- STOT (single exposure): May cause respiratory irritation.
- STOT (repeated exposure): May cause damage to organs through prolonged or repeated exposure.
- Aspiration toxicity: No information available.

**Acute**

**Ingestion**

- Acute toxicity (Oral):
- LD50, Rats: >2,000 mg/kg bw. [NICNAS].
  - Lethal dose in humans (estimated): 1,400 - 1,600 mg/kg bw. [NICNAS].

**Carcinogen Category**

None

**12. ECOLOGICAL INFORMATION**

- Ecotoxicity** No information available.
- Persistence/Degradability** Readily biodegradable.
- Mobility** No information available.
- Environmental Fate** Prevent entry into drains and waterways.
- Bioaccumulation Potential** Low bioaccumulation potential.
- Environmental Impact** No Data Available

**13. DISPOSAL CONSIDERATIONS**

- General Information** Dispose of contents/container through a licensed waste contractor and in accordance with local/regional/national regulations.
- Special Precautions for Land Fill** Normally suitable for incineration by an approved agent.

**14. TRANSPORT INFORMATION**

**Land Transport (Australia)**

ADG Code

- Proper Shipping Name** Monoethylene glycol
- Class** C2 Combustible Liquids - Flash Point >93°C, Closed Cup, Not Excluded Flammable
- Subsidiary Risk(s)** No Data Available
- UN Number** No Data Available
- Hazchem** No Data Available
- Pack Group** No Data Available
- Special Provision** No Data Available
- Comments** NON-DANGEROUS GOODS: Not regulated for LAND transport.

**Land Transport (Malaysia)**

ADR Code

|                             |  |
|-----------------------------|--|
| <b>Proper Shipping Name</b> | Monoethylene glycol                                    |
| <b>Class</b>                | No Data Available                                      |
| <b>Subsidiary Risk(s)</b>   | No Data Available                                      |
|                             | No Data Available                                      |
| <b>UN Number</b>            | No Data Available                                      |
| <b>Hazchem</b>              | No Data Available                                      |
| <b>Pack Group</b>           | No Data Available                                      |
| <b>Special Provision</b>    | No Data Available                                      |
| <b>Comments</b>             | NON-DANGEROUS GOODS: Not regulated for LAND transport. |

**Land Transport (New Zealand)**

NZS5433

|                             |  |
|-----------------------------|--|
| <b>Proper Shipping Name</b> | Monoethylene glycol                                    |
| <b>Class</b>                | No Data Available                                      |
| <b>Subsidiary Risk(s)</b>   | No Data Available                                      |
|                             | No Data Available                                      |
| <b>UN Number</b>            | No Data Available                                      |
| <b>Hazchem</b>              | No Data Available                                      |
| <b>Pack Group</b>           | No Data Available                                      |
| <b>Special Provision</b>    | No Data Available                                      |
| <b>Comments</b>             | NON-DANGEROUS GOODS: Not regulated for LAND transport. |

**Land Transport (United States of America)**

US DOT

|                             |  |
|-----------------------------|--|
| <b>Proper Shipping Name</b> | Monoethylene glycol                                    |
| <b>Class</b>                | No Data Available                                      |
| <b>Subsidiary Risk(s)</b>   | No Data Available                                      |
|                             | No Data Available                                      |
| <b>UN Number</b>            | No Data Available                                      |
| <b>Hazchem</b>              | No Data Available                                      |
| <b>Pack Group</b>           | No Data Available                                      |
| <b>Special Provision</b>    | No Data Available                                      |
| <b>Comments</b>             | NON-DANGEROUS GOODS: Not regulated for LAND transport. |

**Sea Transport**

IMDG Code

|                             |   |
|-----------------------------|---|
| <b>Proper Shipping Name</b> | Monoethylene glycol                                   |
| <b>Class</b>                | No Data Available                                     |
| <b>Subsidiary Risk(s)</b>   | No Data Available                                     |
| <b>UN Number</b>            | No Data Available                                     |
| <b>Hazchem</b>              | No Data Available                                     |
| <b>Pack Group</b>           | No Data Available                                     |
| <b>Special Provision</b>    | No Data Available                                     |
| <b>EMS</b>                  | No Data Available                                     |
| <b>Marine Pollutant</b>     | No  |
| <b>Comments</b>             | NON-DANGEROUS GOODS: Not regulated for SEA transport. |

**Air Transport**

IATA DGR

|                             |   |
|-----------------------------|---|
| <b>Proper Shipping Name</b> | Monoethylene glycol                                   |
| <b>Class</b>                | No Data Available                                     |
| <b>Subsidiary Risk(s)</b>   | No Data Available                                     |
| <b>UN Number</b>            | No Data Available                                     |
| <b>Hazchem</b>              | No Data Available                                     |
| <b>Pack Group</b>           | No Data Available                                     |
| <b>Special Provision</b>    | No Data Available                                     |
| <b>Comments</b>             | NON-DANGEROUS GOODS: Not regulated for AIR transport. |

**National Transport Commission (Australia)**

Australian Code for the Transport of Dangerous Goods by Road &amp; Rail (ADG Code)

|                                       |   |
|---------------------------------------|---|
| <b>Dangerous Goods Classification</b> | NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code) |
|---------------------------------------|---|

**15. REGULATORY INFORMATION**

|                                |                   |
|--------------------------------|-------------------|
| <b>General Information</b>     | No Data Available |
| <b>Poisons Schedule (Aust)</b> | Schedule 6        |

**Environmental Protection Authority (New Zealand)**

Hazardous Substances and New Organisms Amendment Act 2015

|                      |           |
|----------------------|-----------|
| <b>Approval Code</b> | HSR001534 |
|----------------------|-----------|

**National/Regional Inventories**

|                                  |                |
|----------------------------------|----------------|
| <b>Australia (AICS)</b>          | Listed         |
| <b>Canada (DSL)</b>              | Listed         |
| <b>Canada (NDSL)</b>             | Not Determined |
| <b>China (IECSC)</b>             | Listed         |
| <b>Europe (EINECS)</b>           | Not Determined |
| <b>Europe (REACH)</b>            | Not Determined |
| <b>Japan (ENCS/METI)</b>         | Listed         |
| <b>Korea (KECI)</b>              | Listed         |
| <b>Malaysia (EHS Register)</b>   | Not Determined |
| <b>New Zealand (NZIoC)</b>       | Listed         |
| <b>Philippines (PICCS)</b>       | Listed         |
| <b>Switzerland (Giftliste 1)</b> | Not Determined |



|  |                |
|--|----------------|
| Switzerland (Inventory of Notified Substances) | Not Determined |
| Taiwan (NCSR)                                  | Not Determined |
| USA (TSCA)                                     | Listed         |

## 16. OTHER INFORMATION

|                              |  |
|------------------------------|--|
| <b>Related Product Codes</b> | MOETGB1000, MOETGB2000, MOETGB3000, MOETGB3500, MOETGB4000, MOETGB5000, MOETGB6000, MOETGB7500, MOETGB8000, MOETGB9000, MOETGL0600, MOETGL0700, MOETGL0800, MOETGL0900, MOETGL0910, MOETGL0920, MOETGL0930, MOETGL1000, MOETGL1001, MOETGL1002, MOETGL1003, MOETGL1004, MOETGL1005, MOETGL1006, MOETGL1007, MOETGL1008, MOETGL1009, MOETGL1010, MOETGL1011, MOETGL1012, MOETGL1013, MOETGL1014, MOETGL1015, MOETGL1016, MOETGL1017, MOETGL1018, MOETGL1019, MOETGL1020, MOETGL1021, MOETGL1022, MOETGL1023, MOETGL1024, MOETGL1025, MOETGL1026, MOETGL1027, MOETGL1028, MOETGL1029, MOETGL1049, MOETGL1050, MOETGL1055, MOETGL1056, MOETGL1100, MOETGL1101, MOETGL1200, MOETGL1300, MOETGL1400, MOETGL1500, MOETGL1501, MOETGL1502, MOETGL1600, MOETGL1601, MOETGL1610, MOETGL1625, MOETGL1650, MOETGL1700, MOETGL1800, MOETGL1801, MOETGL1802, MOETGL1803, MOETGL1900, MOETGL1901, MOETGL2000, MOETGL2001, MOETGL2010, MOETGL2020, MOETGL2030, MOETGL2100, MOETGL2200, MOETGL2300, MOETGL2301, MOETGL2350, MOETGL2400, MOETGL2401, MOETGL2402, MOETGL2500, MOETGL2501, MOETGL2502, MOETGL2503, MOETGL2504, MOETGL2505, MOETGL2510, MOETGL2520, MOETGL2550, MOETGL2600, MOETGL2601, MOETGL2700, MOETGL2701, MOETGL2702, MOETGL2800, MOETGL2900, MOETGL3000, MOETGL3001, MOETGL3010, MOETGL3011, MOETGL3012, MOETGL3013, MOETGL3020, MOETGL3030, MOETGL3040, MOETGL3041, MOETGL3100, MOETGL3150, MOETGL3200, MOETGL3201, MOETGL3300, MOETGL3400, MOETGL3401, MOETGL3500, MOETGL3600, MOETGL3700, MOETGL3710, MOETGL3720, MOETGL3730, MOETGL4000, MOETGL4200, MOETGL4400, MOETGL4500, MOETGL4700, MOETGL4800, MOETGL4810, MOETGL4900, MOETGL5000, MOETGL5001, MOETGL5002, MOETGL5003, MOETGL5004, MOETGL5050, MOETGL5500, MOETGL5700, MOETGL5800, MOETGL5805, MOETGL5810, MOETGL5820, MOETGL5830, MOETGL5840, MOETGL6000, MOETGL6100, MOETGL6150, MOETGL6200, MOETGL6500, MOETGL6700, MOETGL6800, MOETGL7000, MOETGL7200, MOETGL7210, MOETGL7215, MOETGL7400, MOETGL7500, MOETGL7600, MOETGL8000, MOETGL8001, MOETGL8500, MOETGL9000, MOETGL9800, MOETGL9900 |
| <b>Revision</b>              | 4  |
| <b>Revision Date</b>         | 26 Nov 2018  |
| <b>Key/Legend</b>            | <p>&lt; Less Than<br/>&gt; Greater Than<br/> <b>AICS</b> Australian Inventory of Chemical Substances<br/> <b>atm</b> Atmosphere<br/> <b>CAS</b> Chemical Abstracts Service (Registry Number)<br/> <b>cm<sup>2</sup></b> Square Centimetres<br/> <b>CO<sub>2</sub></b> Carbon Dioxide<br/> <b>COD</b> Chemical Oxygen Demand<br/> <b>deg C (°C)</b> Degrees Celcius<br/> <b>EPA (New Zealand)</b> Environmental Protection Authority of New Zealand<br/> <b>deg F (°F)</b> Degrees Farenheit<br/> <b>g</b> Grams<br/> <b>g/cm<sup>3</sup></b> Grams per Cubic Centimetre<br/> <b>g/l</b> Grams per Litre<br/> <b>HSNO</b> Hazardous Substance and New Organism<br/> <b>IDLH</b> Immediately Dangerous to Life and Health<br/> <b>immiscible</b> Liquids are insoluable in each other.<br/> <b>inHg</b> Inch of Mercury<br/> <b>inH<sub>2</sub>O</b> Inch of Water<br/> <b>K</b> Kelvin<br/> <b>kg</b> Kilogram<br/> <b>kg/m<sup>3</sup></b> Kilograms per Cubic Metre<br/> <b>lb</b> Pound<br/> <b>LC50</b> 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.<br/> <b>LD50</b> 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.<br/> <b>ltr</b> or <b>L</b> Litre<br/> <b>m<sup>3</sup></b> Cubic Metre<br/> <b>mbar</b> Millibar<br/> <b>mg</b> Milligram<br/> <b>mg/24H</b> Milligrams per 24 Hours<br/> <b>mg/kg</b> Milligrams per Kilogram</p>  |

**mg/m<sup>3</sup>** Milligrams per Cubic Metre

**Misc** or **Miscible** Liquids form one homogeneous liquid phase regardless of the amount of either component present.

**mm** Millimetre

**mmH<sub>2</sub>O** Millimetres of Water

**mPa.s** Millipascals per Second

**N/A** Not Applicable

**NIOSH** National Institute for Occupational Safety and Health

**NOHSC** National Occupational Health and Safety Commission

**OECD** Organisation for Economic Co-operation and Development

**Oz** Ounce

**PEL** Permissible Exposure Limit

**Pa** Pascal

**ppb** Parts per Billion

**ppm** Parts per Million

**ppm/2h** Parts per Million per 2 Hours

**ppm/6h** Parts per Million per 6 Hours

**psi** Pounds per Square Inch

**R** Rankine

**RCP** Reciprocal Calculation Procedure

**STEL** Short Term Exposure Limit

**TLV** Threshold Limit Value

**tne** Tonne

**TWA** Time Weighted Average

**ug/24H** Micrograms per 24 Hours

**UN** United Nations

**wt** Weight