



**SAFETY DATA SHEET**  
**ETHYLENE PROPYLENE TERPOLYMER**  
**REVISION 6, DATE 18 MAR 20**

## 1. IDENTIFICATION

|                            |  |
|----------------------------|--|
| <b>Product Name</b>        | <b>Ethylene Propylene Terpolymer</b>                       |
| <b>Other Names</b>         | DUTRAL K TER; EPDM terpolymers - oil extended              |
| <b>Uses</b>                | Production of various rubber final applications.           |
| <b>Chemical Family</b>     | No Data Available  |
| <b>Chemical Formula</b>    | Unspecified  |
| <b>Chemical Name</b>       | Ethylene, propylene, ethyldenenorbornene terpolymer (EPDM) |
| <b>Product Description</b> | No Data Available  |

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

| <b>Organisation</b>     | <b>Location</b>  | <b>Telephone</b> |
|-------------------------|--|------------------|
| Redox Ltd               | 2 Swettenham Road<br>Minto NSW 2566<br>Australia   | +61-2-97333000   |
| Redox 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.*

| <b>Organisation</b>        | <b>Location</b> | <b>Telephone</b>                           |
|----------------------------|-----------------|--|
| 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)**

Not Scheduled



## Globally Harmonised System

|                              |  |
|------------------------------|--|
| <b>Hazard Classification</b> | NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) |
| <b>Signal Word</b>           | None   |

## 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) |
|---------------------------------------|---|

## Safe Work Australia

National Guide for Classifying Hazardous Chemicals under the Model WHS Regulations

|                              |  |
|------------------------------|--|
| <b>Hazard Classification</b> | NOT hazardous according to the criteria of Safe Work Australia under Model WHS Regulations |
|------------------------------|--|

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

## Ingredients

| Chemical Entity  | Formula           | CAS Number | Proportion |
|--|-------------------|------------|------------|
| Ethylene, propylene, ethyldenenorbornene terpolymer (EPDM) | No Data Available | 25038-36-2 | <=100 %    |

## 4. FIRST AID MEASURES

## Description of necessary measures according to routes of exposure

|  |  |
|--|--|
| <b>Swallowed</b>                                 | IF SWALLOWED: Rinse mouth. Get medical advice/attention if you feel unwell. 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 at least 15 minutes. If eye irritation persists, get medical advice/attention.  |
| <b>Skin</b>                                      | IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs, get medical advice/attention.<br>*In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin. Removal of solidified molten material from skin requires medical assistance. |
| <b>Inhaled</b>                                   | IF INHALED (dust or gas/vapours released by heat): Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory symptoms persist, get medical advice/attention.   |
| <b>Advice to Doctor</b>                          | Treat symptomatically.   |
| <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>            | The product is combustible.   |
| <b>Extinguishing Media</b>                | Use dry chemical, Carbon dioxide (CO <sub>2</sub> ), foam or water spray for extinction.  |
| <b>Fire and Explosion Hazard</b>          | Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.   |
| <b>Hazardous Products of Combustion</b>   | Fire may produce Carbon dioxide, Carbon monoxide (when starved of air/oxygen) and possible unburned hydrocarbons. Overheating/pyrolysis may evolve vapours made up of monomers, low molecular weight polymers and their oxidation products. |
| <b>Special Fire Fighting Instructions</b> | Contain runoff from fire control or dilution water - Runoff may cause pollution.  |
| <b>Personal Protective Equipment</b>      | Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.  |
| <b>Flash Point</b>                        | No Data Available   |
| <b>Lower Explosion Limit</b>              | No Data Available   |
| <b>Upper Explosion Limit</b>              | No Data Available   |
| <b>Auto Ignition Temperature</b>          | >300 °C   |
| <b>Hazchem Code</b>                       | No Data Available   |

## 6. ACCIDENTAL RELEASE MEASURES

|   |  |
|---|--|
| <b>General Response Procedure</b>           | Ensure adequate ventilation. ELIMINATE all ignition sources (if dust clouds can occur). Do not touch or walk through spilled material. Avoid generating dust. Avoid breathing dust and contact with eyes, skin and clothing. |
| <b>Clean Up Procedures</b>                  | Pick up mechanically. Sweep up and shovel. Keep in suitable, closed containers for disposal (see SECTION 13).  |
| <b>Containment</b>                          | Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Prevent dust cloud.   |
| <b>Decontamination</b>                      | No information available.  |
| <b>Environmental Precautionary Measures</b> | Do not discharge into drains or waterways.   |
| <b>Evacuation Criteria</b>                  | Spill or leak area should be isolated immediately. Keep unprotected persons away.  |
| <b>Personal Precautionary Measures</b>      | Use personal protective equipment as required (see SECTION 8).<br>*Use respiratory protective device against the effects of fumes/dust/aerosol.  |

## 7. HANDLING AND STORAGE

|                  |  |
|------------------|--|
| <b>Handling</b>  | Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Minimise dust generation and accumulation. Avoid breathing fumes/dust/aerosol and contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8). Elevated processing temperatures may result in some degree of thermal degradation: as a guideline 250 °C is the maximum allowed temperature, for a very short time. WARNING: May form combustible dust concentrations in air (during processing). Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. The product is a poor conductor and it is likely to accumulate electrostatic charges. Precautions normally used for not-conductive materials and against the accumulation of electrostatic charges should be used during processes which employ powdered materials or produce dust (e.g. reduce speed to the minimum, install earthing systems, the absolute prohibition to smoke and use free flames, use inert gases in mills and in closed systems). |
| <b>Storage</b>   | Store in a cool (advised temperature 20 - 30 °C), dry and well-ventilated place, out of direct sunlight. Keep container tightly closed. Re-seal opened containers. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Keep away from incompatible materials (see SECTION 10).<br>*Earth storage silos as a precautionary measure against static electricity build-up.   |
| <b>Container</b> | Keep in the original container.  |

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

|                                      |  |
|--------------------------------------|--|
| <b>General</b>                       | No specific exposure standards are available for this product. For dusts from solid substances without specific occupational exposure standards:<br>- Safe Work Australia Exposure Standard (Nuisance dusts): 8 hr TWA = 10 mg/m <sup>3</sup> (measured as inhalable dust).<br>- New Zealand WES (Particulates not otherwise classified): TWA = 10 mg/m <sup>3</sup> ; TWA = 3 mg/m <sup>3</sup> (respirable dust).  |
| <b>Exposure Limits</b>               | No Data Available  |
| <b>Biological Limits</b>             | No information available.  |
| <b>Engineering Measures</b>          | 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.   |
| <b>Personal Protection Equipment</b> | - Respiratory protection: In case of inadequate ventilation, wear respiratory protection. Recommended: Dust mask/particulate respirator. Use respirators and components tested and approved under appropriate government standards (refer to AS/NZS 1715 & 1716).<br>- Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Safety glasses. Use equipment for eye protection tested and approved under appropriate government standards.<br>- Hand protection: Handle with gloves. Recommended: Protective gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use. Wash and dry hands.<br>- Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Standard work clothes. Choose body protection in relation to its type, to the concentration and amount of hazardous substance(s), and to the specific work-place. |
| <b>Special Hazards Precautions</b>   | Residual monomers may be present in the product at trace levels, hindered in the polymer matrix, and therefore not available in normal conditions. Traces of monomers and other volatile substances may be given off during processing, particularly at unusually high processing temperatures. Workrooms must be provided with adequate ventilation and exhaust equipment to collect dust and gas/vapours that may be evolved during the conversion.  |
| <b>Work Hygienic Practices</b>       | 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. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.  |

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|                                  |  |
|----------------------------------|--|
| <b>Physical State</b>            | Solid                                  |
| <b>Appearance</b>                | Bales, crumbs, pellets                 |
| <b>Odour</b>                     | Characteristic                         |
| <b>Colour</b>                    | Clear to grey/greenish                 |
| <b>pH</b>                        | No Data Available                      |
| <b>Vapour Pressure</b>           | No Data Available                      |
| <b>Relative Vapour Density</b>   | No Data Available                      |
| <b>Boiling Point</b>             | No Data Available                      |
| <b>Melting Point</b>             | No Data Available                      |
| <b>Freezing Point</b>            | No Data Available                      |
| <b>Solubility</b>                | Insoluble in water                     |
| <b>Specific Gravity</b>          | No Data Available                      |
| <b>Flash Point</b>               | No Data Available                      |
| <b>Auto Ignition Temp</b>        | >300 °C                                |
| <b>Evaporation Rate</b>          | No Data Available                      |
| <b>Bulk Density</b>              | 300 - 600 kg/m <sup>3</sup> (at 20 °C) |
| <b>Corrosion Rate</b>            | No Data Available                      |
| <b>Decomposition Temperature</b> | No Data Available                      |
| <b>Density</b>                   | 0.86 - 0.89 g/cm <sup>3</sup>          |

|   |   |
|---|---|
| <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>  | No Data Available   |
| <b>Volatile Percent</b>   | No Data Available   |
| <b>VOC Volume</b>   | No Data Available   |
| <b>Additional Characteristics</b>                                     | The product is a poor conductor and it is likely to accumulate electrostatic charges.   |
| <b>Potential for Dust Explosion</b>                                   | Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.   |
| <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>   | The product is combustible.   |
| <b>Reactions That Release Gases or Vapours</b>                        | Fire may produce Carbon dioxide, Carbon monoxide (when starved of air/oxygen) and possible unburned hydrocarbons. Overheating/pyrolysis may evolve vapours made up of monomers, low molecular weight polymers and their oxidation products. |
| <b>Release of Invisible Flammable Vapours and Gases</b>               | No information available.   |

## 10. STABILITY AND REACTIVITY

|   |   |
|---|---|
| <b>General Information</b>              | Prevent the formation of noxious gases and vapours by using the advised conversion conditions.  |
| <b>Chemical Stability</b>               | The product is stable and inert in the recommended storage and handling conditions.   |
| <b>Conditions to Avoid</b>              | Avoid generating dust. Avoid exposure to sunlight, heat and sources of ignition. Take action to prevent static discharges.  |
| <b>Materials to Avoid</b>               | Incompatible/reactive with oxidising substances.  |
| <b>Hazardous Decomposition Products</b> | Fire may produce Carbon dioxide, Carbon monoxide (when starved of air/oxygen) and possible unburned hydrocarbons. Overheating/pyrolysis may evolve vapours made up of monomers, low molecular weight polymers and their oxidation products. |
| <b>Hazardous Polymerisation</b>         | No information available.   |

## 11. TOXICOLOGICAL INFORMATION

|                            |   |
|----------------------------|---|
| <b>General Information</b> | <ul style="list-style-type: none"> <li>- Acute toxicity: Based on the available data, the classification criteria are not met.</li> <li>- Skin corrosion/irritation: Based on the available data, the classification criteria are not met. Contact with molten substance may cause thermal burns.</li> <li>- Eye damage/irritation: The product's dust may cause irritation of eyes.</li> <li>- Respiratory/skin sensitisation: Based on the available data, the classification criteria are not met.</li> <li>- Germ cell mutagenicity: Based on the available data, the classification criteria are not met.</li> <li>- Carcinogenicity: Based on the available data, the classification criteria are not met.</li> </ul> |
|----------------------------|---|

- Reproductive toxicity: Based on the available data, the classification criteria are not met.
- STOT (single exposure): Based on the available data, the classification criteria are not met. Dust or gas/vapours released by heat may cause irritation of respiratory organs, Eyes reddening.
- STOT (repeated exposure): Based on the available data, the classification criteria are not met.
- Aspiration toxicity: Based on the available data, the classification criteria are not met.

**Carcinogen Category** None

## 12. ECOLOGICAL INFORMATION

|                                  |   |
|----------------------------------|---|
| <b>Ecotoxicity</b>               | The product is essentially a high molecular weight polymer, not regarded as ecotoxic. |
| <b>Persistence/Degradability</b> | The product is a non-biodegradable polymer.   |
| <b>Mobility</b>                  | No information available.   |
| <b>Environmental Fate</b>        | Avoid releasing the product into the environment.                                     |
| <b>Bioaccumulation Potential</b> | Does not accumulate in organisms.   |
| <b>Environmental Impact</b>      | No Data Available   |

## 13. DISPOSAL CONSIDERATIONS

|  |   |
|--|---|
| <b>General Information</b>               | After suitable treatment (cleaning, grinding, etc), the product can be safely reused as is or mixed with fresh material, when this is compatible with the intended final application. Residues & uncleaned packaging should be disposed of as required by national and local regulations. |
| <b>Special Precautions for Land Fill</b> | Incineration must be done under approved conditions, preferably with energy recovery and only at suitable facilities equipped with a scrubber for the treatment of fumes before their release into the atmosphere.  |

## 14. TRANSPORT INFORMATION

### Land Transport (Australia)

ADG Code

|                             |  |
|-----------------------------|--|
| <b>Proper Shipping Name</b> | Ethylene Propylene Terpolymer                          |
| <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 (Malaysia)

ADR Code

|                             |                               |
|-----------------------------|-------------------------------|
| <b>Proper Shipping Name</b> | Ethylene Propylene Terpolymer |
| <b>Class</b>                | No Data Available             |
| <b>Subsidiary Risk(s)</b>   | No Data Available             |

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|                          |  |
|--------------------------|--|
|                          | 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> | Ethylene Propylene Terpolymer                          |
| <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> | Ethylene Propylene Terpolymer                          |
| <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> | Ethylene Propylene Terpolymer                         |
| <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> | Ethylene Propylene Terpolymer |
| <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> | Not Scheduled     |

**Environmental Protection Authority (New Zealand)**

Hazardous Substances and New Organisms Amendment Act 2015

|                      |               |
|----------------------|---------------|
| <b>Approval Code</b> | Not Hazardous |
|----------------------|---------------|

**National/Regional Inventories**

|   |                |
|---|----------------|
| <b>Australia (AIC)</b>                                | Listed         |
| <b>Canada (DSL)</b>                                   | Listed         |
| <b>Canada (NDSL)</b>                                  | Not Listed     |
| <b>China (IECSC)</b>                                  | Listed         |
| <b>Europe (EINECS)</b>                                | 607-505-0      |
| <b>Europe (REACH)</b>                                 | Pre-registered |
| <b>Japan (ENCS/METI)</b>                              | 6-47           |
| <b>Korea (KECI)</b>                                   | KE-13881       |
| <b>Malaysia (EHS Register)</b>                        | Exempt         |
| <b>New Zealand (NZIoC)</b>                            | Listed         |
| <b>Philippines (PICCS)</b>                            | Listed         |
| <b>Switzerland (Giftlist 1)</b>                       | Not Determined |
| <b>Switzerland (Inventory of Notified Substances)</b> | Not Determined |



Taiwan (NCSR)

Listed

USA (TSCA)

Listed

## 16. OTHER INFORMATION

## Related Product Codes

ETPRTE1000, ETPRTE1700, ETPRTE1704, ETPRTE1706, ETPRTE1707, ETPRTE1708, ETPRTE1709, ETPRTE1710, ETPRTE1711, ETPRTE1712, ETPRTE1713, ETPRTE1714, ETPRTE1715, ETPRTE1716, ETPRTE1717, ETPRTE1718, ETPRTE1719, ETPRTE2000, ETPRTE2046, ETPRTE2100, ETPRTE2200, ETPRTE2201, ETPRTE2300, ETPRTE2400, ETPRTE2500, ETPRTE2700, ETPRTE2750, ETPRTE3000, ETPRTE3001

## Revision

6

## Revision Date

18 Mar 2020

## Key/Legend

&lt; Less Than

&gt; Greater Than

**AICS** Australian Inventory of Chemical Substances**atm** Atmosphere**CAS** Chemical Abstracts Service (Registry Number)**cm<sup>2</sup>** Square Centimetres**CO<sub>2</sub>** Carbon Dioxide**COD** Chemical Oxygen Demand**deg C (°C)** Degrees Celcius**EPA (New Zealand)** Environmental Protection Authority of New Zealand**deg F (°F)** Degrees Farenheit**g** Grams**g/cm<sup>3</sup>** Grams per Cubic Centimetre**g/l** Grams per Litre**HSNO** Hazardous Substance and New Organism**IDLH** Immediately Dangerous to Life and Health**immiscible** Liquids are insoluable in each other.**inHg** Inch of Mercury**inH<sub>2</sub>O** Inch of Water**K** Kelvin**kg** Kilogram**kg/m<sup>3</sup>** Kilograms per Cubic Metre**lb** Pound

**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.

**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.

**ltr or L** Litre**m<sup>3</sup>** Cubic Metre**mbar** Millibar**mg** Milligram**mg/24H** Milligrams per 24 Hours**mg/kg** Milligrams per Kilogram**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

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**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