

### 1. IDENTIFICATION

<b>Product Name</b>	<b>Ethylene glycol monobutyl ether</b>
<b>Other Names</b>	2-Butoxyethanol; Butyl glycol; Ethylene glycol, mono-n-butyl ester
<b>Uses</b>	Solvent.
<b>Chemical Family</b>	No Data Available
<b>Chemical Formula</b>	C6H14O2
<b>Chemical Name</b>	Ethanol, 2-butoxy-
<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 Minto NSW 2566 Australia	+61-2-97333000
Redox Pty Ltd	11 Mayo Road Wiri Auckland 2104 New Zealand	+64-9-2506222
Redox Inc.	3960 Paramount Boulevard Suite 107 Lakewood CA 90712 USA	+1-424-675-3200
Redox Chemicals Sdn Bhd	Level 2, No. 8, Jalan Sapir 33/7 Seksyen 33, Shah Alam Premier Industrial Park 40400 Shah Alam 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 131126
Chemcall	Australia	1800-127406 +64-4-9179888
Chemcall	Malaysia	+64-4-9179888
Chemcall	New Zealand	0800-243622 +64-4-9179888
National Poisons Centre	New Zealand	0800-764766
CHEMTREC	USA & Canada	1-800-424-9300 CN723420 +1-703-527-3887

### 2. HAZARD IDENTIFICATION

**Poisons Schedule (Aust)** Schedule 6

#### Globally Harmonised System

<b>Hazard Classification</b>	Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
<b>Hazard Categories</b>	Flammable Liquids - Category 4 Acute Toxicity (Oral) - Category 4 Acute Toxicity (Dermal) - Category 4 Acute Toxicity (Inhalation) - Category 4 Skin Corrosion/Irritation - Category 2 Serious Eye Damage/Irritation - Category 2A Specific Target Organ Toxicity (Single Exposure) - Category 3

**Pictograms**



**Signal Word** Warning

<b>Hazard Statements</b>	<b>H227</b>	Combustible liquid.
	<b>H302 + H312 + H332</b>	Harmful if swallowed, in contact with skin or if inhaled.
	<b>H315</b>	Causes skin irritation.
	<b>H319</b>	Causes serious eye irritation.
	<b>H335</b>	May cause respiratory irritation.

<b>Precautionary Statements</b>	Prevention	<b>P210</b>	Keep away from flames and hot surfaces. No smoking.
		<b>P280</b>	Wear protective gloves/eye protection/face protection.
		<b>P261</b>	Avoid breathing mist/vapours/spray.
		<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.
		<b>P233</b>	Keep container tightly closed.
	Response	<b>P370 + P378</b>	In case of fire: Use carbon dioxide (CO2), dry chemical, regular foam extinguishing agent or water spray for extinction.
		<b>P312</b>	Call a POISON CENTER or doctor/physician if you feel unwell.
		<b>P302 + P352</b>	IF ON SKIN: Wash with plenty of soap and water.
		<b>P337 + P313</b>	If eye irritation persists: Get medical advice/attention.
		<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.
		<b>P332 + P313</b>	If skin irritation occurs: Get medical advice/attention.
		<b>P362</b>	Take off contaminated clothing and wash before reuse.
		<b>P305 + P351 + P338</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	Storage	<b>P403 + P235</b>	Store in a well-ventilated place. Keep cool.
		<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

<b>HSNO Classifications</b>	Physical Hazards	<b>3.1D</b>	Flammable liquid - low hazard
	Health Hazards	<b>6.1D</b>	Substances that are acutely toxic - Harmful
		<b>6.1E</b>	Substances that are acutely toxic –May be harmful, Aspiration hazard
		<b>6.3B</b>	Substances that are mildly irritating to the skin
	<b>6.4A</b>	Substances that are irritating to the eye	
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
2-Butoxyethanol	C6H14O2	111-76-2	<=100 %

### 4. FIRST AID MEASURES

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

<b>Swallowed</b>	IF SWALLOWED: Rinse mouth. Do not induce vomiting. Call a Poison Centre or doctor/physician if you feel unwell.
<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 before reuse. Call a Poison Centre or doctor/physician if you feel unwell. Get medical advice/attention if skin irritation occurs.
<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 if you feel unwell. Apply resuscitation if victim is not breathing. Administer oxygen if breathing is difficult.
<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. Avoid getting water inside containers.
<b>Flammability Conditions</b>	Combustible liquid; May burn but does not ignite readily.
<b>Extinguishing Media</b>	Use dry chemical, Carbon dioxide, foam or water spray for extinction - Do not use water jets.
<b>Fire and Explosion Hazard</b>	When heated, vapours may form explosive mixtures with air. Containers may explode when heated.
<b>Hazardous Products of Combustion</b>	Fire will produce irritating and/or toxic gases, including Carbon oxides; Forms peroxides of unknown stability.
<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) in combination with normal firefighting clothing (full fire kit).
<b>Flash Point</b>	62 °C [closed cup]
<b>Lower Explosion Limit</b>	1.1 %

<b>Upper Explosion Limit</b>	12.7 %
<b>Auto Ignition Temperature</b>	230 - 238 °C
<b>Hazchem Code</b>	No Data Available

## 6. ACCIDENTAL RELEASE MEASURES

<b>General Response Procedure</b>	Ensure adequate ventilation. ELIMINATE all ignition sources (no smoking, flares, sparks or flames). Do not touch or walk through spilled material. Avoid breathing vapours and 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 container for disposal (see SECTION 13). For large amounts: Pump off product.
<b>Containment</b>	Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas.
<b>Decontamination</b>	Wash away remainder with plenty of water.
<b>Environmental Precautionary Measures</b>	Prevent entry into drains and waterways. Local authorities should be advised if significant spillages cannot be contained.
<b>Evacuation Criteria</b>	Spill or leak area should be isolated immediately. Keep unauthorised personnel away. Keep upwind and to higher ground.
<b>Personal Precautionary Measures</b>	Use personal protective equipment as required (see SECTION 8).

## 7. HANDLING AND STORAGE

<b>Handling</b>	Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Use only outdoors or in a well-ventilated area. Handle in accordance with good industrial hygiene and safety practice. Avoid breathing mist/vapours/spray and contact with eyes, skin and clothing. Wear protective gloves/eye protection/face protection (see SECTION 8). Keep away from heat, flames and hot surfaces - No smoking.
<b>Storage</b>	Store in a well-ventilated place. Keep cool. Keep away from flames and hot surfaces - No smoking. Keep away from incompatible materials (strong oxidising agents, strong alkalis), food and feedstuffs. Keep container tightly closed. Minimise exposure to air. After opening, purge container with Nitrogen before re-closing. Periodically test for peroxide formation on long-term storage.
<b>Container</b>	Keep in the original container.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>General</b>	<p>SUBSTANCE: 2-Butoxyethanol (CAS No. 111-76-2): Absorption through the skin may be a significant source of exposure (Sk).</p> <ul style="list-style-type: none"> <li>- Safe Work Australia Exposure Standard: TWA = 20 ppm (96.9 mg/m<sup>3</sup>); STEL = 50 ppm (242 mg/m<sup>3</sup>).</li> <li>- New Zealand WES: TWA = 25 ppm (121 mg/m<sup>3</sup>).</li> <li>- NIOSH REL: TWA = 5 ppm (24 mg/m<sup>3</sup>).</li> <li>- OSHA PEL: TWA = 50 ppm (240 mg/m<sup>3</sup>).</li> <li>- Immediately Dangerous to Life or Health (IDLH) Concentration: 700 ppm.</li> </ul>
<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>	<ul style="list-style-type: none"> <li>- Respiratory protection: In case of inadequate ventilation or if an inhalation risk exists, wear respiratory protection. Recommended filter type: A - organic vapour.</li> <li>- Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Chemical goggles.</li> <li>- Hand protection: Wear protective gloves. Recommended: Impervious gloves.</li> <li>- Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Overalls, safety shoes.</li> </ul>
<b>Special Hazards Precautions</b>	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**

<b>Physical State</b>	Liquid
<b>Appearance</b>	Liquid
<b>Odour</b>	Mild, sweet, ester-like
<b>Colour</b>	Colourless
<b>pH</b>	No Data Available
<b>Vapour Pressure</b>	1.17 hPa (@ 25 °C)
<b>Relative Vapour Density</b>	4 Air = 1
<b>Boiling Point</b>	171 °C
<b>Melting Point</b>	-75 °C
<b>Freezing Point</b>	-75 °C
<b>Solubility</b>	Completely soluble in water 25°C
<b>Specific Gravity</b>	0.90
<b>Flash Point</b>	62 °C [closed cup]
<b>Auto Ignition Temp</b>	230 - 238 °C
<b>Evaporation Rate</b>	0.06 - 0.1 (n-Butyl acetate = 1)
<b>Bulk Density</b>	No Data Available
<b>Corrosion Rate</b>	No Data Available
<b>Decomposition Temperature</b>	124.7 °C
<b>Density</b>	No Data Available
<b>Specific Heat</b>	No Data Available
<b>Molecular Weight</b>	118.2 g/mol
<b>Net Propellant Weight</b>	No Data Available
<b>Octanol Water Coefficient</b>	Log Pow: 0.81 (20 °C)
<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>	3.3 mPa.s - 3.642 mm <sup>2</sup> /s (@ 20 °C)
<b>Volatile Percent</b>	No Data Available
<b>VOC Volume</b>	No Data Available
<b>Additional Characteristics</b>	No information available.
<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; May burn but does not ignite readily.
<b>Reactions That Release Gases or Vapours</b>	Fire will produce irritating and/or toxic gases, including Carbon oxides; Forms peroxides of unknown stability.
<b>Release of Invisible Flammable Vapours and Gases</b>	When heated, vapours may form explosive mixtures with air.

## 10. STABILITY AND REACTIVITY

<b>General Information</b>	The substance can form explosive peroxides. Reacts with strong oxidants causing fire and explosion hazard.
<b>Chemical Stability</b>	Stable under normal conditions.
<b>Conditions to Avoid</b>	Keep away from heat and all sources of ignition.
<b>Materials to Avoid</b>	Incompatible/reactive with strong oxidising agents, strong alkalis.
<b>Hazardous Decomposition Products</b>	Fire will produce irritating and/or toxic gases, including Carbon oxides; Forms peroxides of unknown stability.
<b>Hazardous Polymerisation</b>	No information available.No informa

## 11. TOXICOLOGICAL INFORMATION

<b>General Information</b>	<ul style="list-style-type: none"><li>- Acute toxicity: Harmful if swallowed, in contact with skin and if inhaled.</li><li>- Skin corrosion/irritation: Causes skin irritation. Slight irritation (Rabbit, 24 h).</li><li>- Eye damage/irritation: Causes serious eye irritation. Slight irritation (Rabbit, 24 h).</li><li>- Respiratory/skin sensitisation: Not classified based on available information. Negative (Guinea pig).</li><li>- Germ cell mutagenicity: Not classified based on available information. Negative (in vitro/in vivo).</li><li>- Carcinogenicity: Not classified based on available information. No ingredient of this product, present at levels greater than or equal to 0.1%, is identified as probable, possible or confirmed human carcinogen by IARC/OSHA/NTP.</li><li>- Reproductive toxicity: Not classified based on available information.</li><li>- STOT (single exposure): May cause respiratory irritation.</li><li>- STOT (repeated exposure): Not classified based on available information.</li><li>- Aspiration toxicity: Not classified based on available information.</li></ul>
<b>Acute</b>	
<b>Ingestion</b>	Acute toxicity (Oral): <ul style="list-style-type: none"><li>- LD50, Rat: 1,300 mg/kg</li></ul>
<b>Other</b>	Acute toxicity (Dermal): <ul style="list-style-type: none"><li>- LD50, Rat: &gt;2,000 mg/kg</li></ul>
<b>Carcinogen Category</b>	None

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Aquatic toxicity: <ul style="list-style-type: none"><li>- LC50, Fish (Oncorhynchus mykiss): 1,474 mg/L (96 h).</li><li>- EC50, Daphnia magna (Water flea): 1,550 mg/L (48 h).</li><li>- EC50, Algae (Pseudokirchneriella subcapitata): 1,840 mg/L (72 h).</li><li>- NOEC, Fish (Danio rerio): &gt;100 mg/L (21 d).</li><li>- NOEC, daphnia magna (Water flea): 100 mg/L (21 d).</li></ul>
<b>Persistence/Degradability</b>	Readily biodegradable (90.4 %, 28 days).
<b>Mobility</b>	No information available.
<b>Environmental Fate</b>	Prevent entry into drains and waterways.
<b>Bioaccumulation Potential</b>	<ul style="list-style-type: none"><li>- Pow: 6.46</li><li>- log Pow: 0.81</li></ul>
<b>Environmental Impact</b>	No Data Available

## 13. DISPOSAL CONSIDERATIONS

<b>General Information</b>	Dispose of contents/container at a licensed facility and in accordance with local/regional/national regulations.
<b>Special Precautions for Land Fill</b>	Contaminated packaging: Prevent unauthorised re-use of empty containers.

## 14. TRANSPORT INFORMATION

### Land Transport (Australia)

ADG Code

<b>Proper Shipping Name</b>	ETHYL GLYCOL MONOBUTYL ETHER
<b>Class</b>	C1 Combustible Liquids - Flash Point >60°C - <=93°C, Closed Cup
<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

### Land Transport (Malaysia)

ADR Code

<b>Proper Shipping Name</b>	ETHYL GLYCOL MONOBUTYL ETHER
<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

### Land Transport (New Zealand)

NZS5433

<b>Proper Shipping Name</b>	ETHYL GLYCOL MONOBUTYL ETHER
<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

### Land Transport (Thailand)

<b>Proper Shipping Name</b>	ETHYL GLYCOL MONOBUTYL ETHER
<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

## Land Transport (United States of America)

US DOT

<b>Proper Shipping Name</b>	COMBUSTIBLE LIQUID, N.O.S. (Ethylene glycol monobutyl ether)
<b>Class</b>	C1 Combustible Liquids - Flash Point >60°C - <=93°C, Closed Cup
<b>Subsidiary Risk(s)</b>	No Data Available
<b>ERG</b>	128 Flammable Liquids (Non-Polar / Water-Immiscible)
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	III
<b>Special Provision</b>	NA1993
<b>Comments</b>	Above applies only to containers over 119 gallons or 450 litres. Not regulated if shipped in packages less than or equal to 119 gallons (450 litres).

## Sea Transport

IMDG Code

<b>Proper Shipping Name</b>	ETHYL GLYCOL MONOBUTYL ETHER
<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

## Air Transport

IATA DGR

<b>Proper Shipping Name</b>	ETHYL GLYCOL MONOBUTYL ETHER
<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

## National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & 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)
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## 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



**Approval Code** HSR0001154

## National/Regional Inventories

<b>Australia (AICS)</b>	Listed
<b>Canada (DSL)</b>	Not Determined
<b>Canada (NDSL)</b>	Not Determined
<b>China (IECSC)</b>	Not Determined
<b>Europe (EINECS)</b>	Not Determined
<b>Europe (REACH)</b>	Not Determined
<b>Japan (ENCS/METI)</b>	Not Determined
<b>Korea (KECI)</b>	Listed
<b>Malaysia (EHS Register)</b>	Not Determined
<b>New Zealand (NZIoC)</b>	Listed
<b>Philippines (PICCS)</b>	Not Determined
<b>Switzerland (Giftliste 1)</b>	Not Determined
<b>Switzerland (Inventory of Notified Substances)</b>	Not Determined
<b>Taiwan (NCSR)</b>	Not Determined
<b>USA (TSCA)</b>	Listed

## 16. OTHER INFORMATION

**Related Product Codes** ETGLBE1400, ETGLBE1502, ETGLBE1600, ETGLBE1601, ETGLBE1602, ETGLBE1603, ETGLBE1800, ETGLBE1900, ETGLBE2100, ETGLBE2505, ETGLBE3050, ETGLBE3100, ETGLBE3200, ETGLBE3600, ETGLBE5800, ETGLBE6100, ETGLBE6200, ETGLBE6201, ETGLBE6400, ETGLBE6700, ETGLBE6911, ETGLBE6921, ETGLBE6937, ETGLBE6941, ETGLBE6950, ETGLBE7201, ETGLBE7202, ETGLBE8600, ETGLBE8810, ETGLBE9001, ETGLBE9099

**Revision** 2

**Revision Date** 21 Feb 2017

### Key/Legend

< Less Than

> 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 Fahrenheit

**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 insoluble 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  
**LC<sub>50</sub>** LC stands for lethal concentration. LC<sub>50</sub> 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.  
**LD<sub>50</sub>** LD stands for Lethal Dose. LD<sub>50</sub> 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  
**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