

## 1. IDENTIFICATION

<b>Product Name</b>	<b>Phosphoric Acid, 75-95%</b>
<b>Other Names</b>	Orthophosphoric Acid; PHOSPHORIC ACID; White Phosphoric Acid
<b>Uses</b>	To be as acidulous additive of coke type beverage and some other soft drink; foodstuff fermenting agent. To be as neutralized settling agent in the edible oil and fat industry. To be as some kinds of important additive of toothpaste and animal subsidiary feed. To be used to produce a variety of food grade phosphate; to be as food amending agent, nutrition hardening agent and leavening agent.
<b>Chemical Family</b>	No Data Available
<b>Chemical Formula</b>	H <sub>3</sub> PO <sub>4</sub>
<b>Chemical Name</b>	Phosphoric Acid, 75-95%
<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
Chemcall	New Zealand	0800-243622 +64-4-9179888
National Poisons Centre	New Zealand	0800-764766

## 2. HAZARD IDENTIFICATION

**Poisons Schedule (Aust)** 6

### 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>6.1E</b>	Substances that are acutely toxic -May be harmful, Aspiration hazard	
	<b>8.1A</b>	Substances that are corrosive to metals	
	<b>8.3A</b>	Substances that are corrosive to ocular tissue	



	<b>8.2C</b>	Substances that are corrosive to dermal tissue UN PGIII
Environmental Hazards	<b>9.1D</b>	Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action
	<b>9.3C</b>	Substances that are harmful to terrestrial vertebrates

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

*Ingredients*

Chemical Entity	Formula	CAS Number	Proportion
Phosphoric Acid	No Data Available	7664-38-2	75.0 - 95.0 %
Water	No Data Available	7732-18-5	Balance to 100% %

### 4. FIRST AID MEASURES

*Description of necessary measures according to routes of exposure*

<b>Swallowed</b>	Rinse mouth with water. Give water to drink provided person is conscious. Do NOT induce vomiting. Seek medical attention immediately.
<b>Eye</b>	Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Seek immediate medical attention.
<b>Skin</b>	Remove contaminated clothing. Wash affected area with plenty of flowing clean water for at least 15 minutes. Seek immediate medical attention. Wash clothing before reuse. If burned, treat as burn by acid.
<b>Inhaled</b>	Remove victim from exposure to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical advice.
<b>Advice to Doctor</b>	Treat symptomatically based on judgement of doctor and individual reactions of patient. NOTE: Persons who may have been exposed to contaminated smoke should be immediately examined by a physician and checked for symptoms of poisoning. The symptoms should not be mistaken for heat exhaustion or smoke inhalation.
<b>Medical Conditions Aggravated by Exposure</b>	No information available on medical conditions aggravated by exposure to this product. SIGNS AND SYMPTOMS OF EXPOSURE: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. May cause cyanosis (blue-grey coloring of skin and lips caused by lack of oxygen). Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting. TARGET ORGAN INFORMATION: Bone marrow. Blood. Liver. ROUTE OF EXPOSURE: Multiple Routes: May be harmful by inhalation, ingestion, or skin absorption.

### 5. FIRE FIGHTING MEASURES

<b>Flammability Conditions</b>	Product is a non-flammable liquid.
<b>Extinguishing Media</b>	In case of fire, use Carbon dioxide, dry chemical powder, or appropriate foam.
<b>Hazardous Products of Combustion</b>	Non-combustible liquid. Incompatible with strong oxidizing agents, strong reducing agents, strong alkali, active powdered metals, Fluorine, sulfur trioxide, phosphorus pentoxide, metals, and sources of ignition. This product will release hydrogen on contact with metals, which may cause explosion in the air. Reacts with water to generate heat and form phosphoric acid. The reaction is not violent. Emits toxic fumes under fire conditions. It will produce the virulent gas of oxidation phosphorus at a high temperature. It is corrosive. Hazardous decomposition products may include Phosphine, oxides of phosphorus, and hydrogen gas.
<b>Personal Protective Equipment</b>	Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves) or chemical splash suit. Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk. Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.
<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>	No Data Available
<b>Hazchem Code</b>	2R

## 6. ACCIDENTAL RELEASE MEASURES

<b>General Response Procedure</b>	Personnel involved in the clean up should wear full protective clothing as listed in section 8. Avoid accidents, clean up immediately. Evacuate all unnecessary personnel. Increase ventilation. Avoid walking through spilled product as it is slippery when spilt. Stop leak if safe to do so. Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment. Shut off all possible sources if ignition.
<b>Clean Up Procedures</b>	Neutralize spilled product with lime or soda. Soak up using absorbent material such as sand or soil. When saturated, collect material and transfer to a suitable, labelled, dry chemical-waste containers and dispose of promptly as hazardous waste. Ventilate area and wash spill site after material pickup is complete.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Avoid contact with eyes, skin and clothing. Do not inhale product vapours. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Use only in a chemical fume hood.
<b>Storage</b>	Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials as listed in section 10. Protect from direct sunlight, moisture, fire, and heat. Store away from alkali, H vesicant, tinder, active metal powder. This product has a UN classification of 1805 and a Dangerous Goods Class 8 (Corrosive) according to The Australian Code for the Transport of Dangerous Goods By Road and Rail.
<b>Container</b>	Container type/packageing must comply with all applicable local legislation. Store in original packaging as approved by manufacturer.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>General</b>	The following exposure standard has been established by The Australian Safety and Compensation Council (ASCC); Phosphoric Acid CAS: 7664-38-2 TWA = 1mg/m <sup>3</sup> STEL = 3mg/m <sup>3</sup> NOTE: The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. These 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 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.
<b>Exposure Limits</b>	No Data Available
<b>Biological Limits</b>	No information available on biological limit values for this product.
<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>	RESPIRATOR: Wear an approved full face piece respirator with suitable filter for acid gases and vapours if engineering controls are inadequate (AS1715/1716). EYES: Chemical goggles to prevent splashing in the eyes (AS1336/1337). HANDS: Rubber or neoprene impervious gloves (AS2161). CLOTHING: Chemical-resistant coveralls and safety footwear (AS3765/2210).
<b>Work Hygienic Practices</b>	No Data Available



## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid
<b>Appearance</b>	Viscous Liquid
<b>Odour</b>	Odourless
<b>Colour</b>	Transparent, Colourless
<b>pH</b>	1.5
<b>Vapour Pressure</b>	5.65 to 2.16mmHg torr (@ 20 °C)
<b>Relative Vapour Density</b>	No Data Available
<b>Boiling Point</b>	135 - 158 °C
<b>Melting Point</b>	<15
<b>Freezing Point</b>	<15 °C
<b>Solubility</b>	No Data Available
<b>Specific Gravity</b>	Density: 1.58-1.69
<b>Flash Point</b>	No Data Available
<b>Auto Ignition Temp</b>	No Data Available
<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>	No Data Available
<b>Volatile Percent</b>	No Data Available
<b>VOC Volume</b>	No Data Available
<b>Additional Characteristics</b>	Softening Point: 42.4 Deg C (pure)
<b>Potential for Dust Explosion</b>	Product is a liquid.
<b>Fast or Intensely Burning Characteristics</b>	No Data Available
<b>Flame Propagation or Burning Rate of Solid Materials</b>	No Data Available
<b>Non-Flammables That Could Contribute Unusual Hazards to a Fire</b>	No Data Available
<b>Properties That May Initiate or Contribute to Fire Intensity</b>	No Data Available
<b>Reactions That Release Gases or Vapours</b>	Contact with reactive metals may evolve highly flammable hydrogen gas.
<b>Release of Invisible Flammable Vapours and Gases</b>	No Data Available

## 10. STABILITY AND REACTIVITY

Product is stable under normal conditions of use, storage and temperature.



<b>Chemical Stability</b>	Corrosive Liquid. Hygroscopic: absorbs moisture or water from the air.
<b>Conditions to Avoid</b>	Avoid excessive heat, direct sunlight, moist air or water.
<b>Materials to Avoid</b>	Incompatible with strong oxidizing agents, strong reducing agents, strong alkali, active powdered metals, Fluorine, sulfur trioxide, phosphorus pentoxide, metals, and sources of ignition.
<b>Hazardous Decomposition Products</b>	This product will release hydrogen on contact with metals, which may cause explosion in the air. Reacts with water to generate heat and form phosphoric acid. The reaction is not violent. Emits toxic fumes under fire conditions. It will produce the virulent gas of oxidation phosphorus at a high temperature. It is corrosive. Hazardous decomposition products may include Phosphine, oxides of phosphorus, and hydrogen gas.
<b>Hazardous Polymerisation</b>	Hazardous Polymerization May occur. Reacts with water to generate heat and form phosphoric acid. The reaction is not violent. Reacts with Bases.

## 11. TOXICOLOGICAL INFORMATION

<b>General Information</b>	Oral LD50 Rat : 1530mg/Kg Dermal LD50 Rabbit : 2740mg/Kg
<b>EyeIrritant</b>	Causes burns. Corrosive. Causes tissue destruction, permanent damage to the cornea, blindness.
<b>Ingestion</b>	Causes burns. Harmful by ingestion. Can cause nausea, diarrhea, corrosion, burns to mouth and esophagus, abdominal pain, chest pain, shortness of breath, seizures, and death.
<b>Inhalation</b>	Inhalation may result in spasm, inflammation and edema of the larynx and bronchi, chemical phenomenon, and pulmonary edema. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. May be harmful by inhalation. Mists may cause lung irritation, shortness of breath, fluid in lungs.
<b>SkinIrritant</b>	Causes burns. Causes irritation, burns.
<b>Carcinogen Category</b>	No Data Available

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	No ecological information available for this product.
<b>Persistence/Degradability</b>	No information available on persistence/degradability for this product.
<b>Mobility</b>	No information available on mobility for this product.
<b>Environmental Fate</b>	Do NOT let product reach waterways, drains and sewers.
<b>Bioaccumulation Potential</b>	No information available on bioaccumulation for this product.
<b>Environmental Impact</b>	No Data Available

## 13. DISPOSAL CONSIDERATIONS

<b>General Information</b>	Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.
<b>Special Precautions for Land Fill</b>	Contact a specialist disposal company or the local waste regulator for advice.

## 14. TRANSPORT INFORMATION

### Land Transport (New Zealand)

NZS5433

**Proper Shipping Name** PHOSPHORIC ACID, SOLUTION



<b>Class</b>	8 Corrosive Substances
<b>Subsidiary Risk(s)</b>	No Data Available
<b>EPG</b>	37 Toxic And/Or Corrosive Substances Non-Combustible
<b>UN Number</b>	1805
<b>Hazchem</b>	2R
<b>Pack Group</b>	III
<b>Special Provision</b>	No Data Available

**Sea Transport**

IMDG Code

<b>Proper Shipping Name</b>	PHOSPHORIC ACID, SOLUTION
<b>Class</b>	8 Corrosive Substances
<b>Subsidiary Risk(s)</b>	No Data Available
<b>UN Number</b>	1805
<b>Hazchem</b>	2R
<b>Pack Group</b>	III
<b>Special Provision</b>	No Data Available
<b>EMS</b>	FA,SB
<b>Marine Pollutant</b>	No

**Air Transport**

IATA DGR

<b>Proper Shipping Name</b>	PHOSPHORIC ACID, SOLUTION
<b>Class</b>	8 Corrosive Substances
<b>Subsidiary Risk(s)</b>	No Data Available
<b>UN Number</b>	1805
<b>Hazchem</b>	2R
<b>Pack Group</b>	III
<b>Special Provision</b>	No Data Available

**15. REGULATORY INFORMATION**

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

**Environmental Protection Authority (New Zealand)**

Hazardous Substances and New Organisms Amendment Act 2015

<b>Approval Code</b>	HSR001545
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**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 (Giffliste 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**

PHACID0100, PHACID0101, PHACID0102, PHACID0103, PHACID0104, PHACID0105, PHACID0106, PHACID0107, PHACID0200, PHACID0201, PHACID0300, PHACID0400, PHACID0401, PHACID0402, PHACID0403, PHACID0404, PHACID0600, PHACID0601, PHACID0602, PHACID0603, PHACID0700, PHACID0701, PHACID0702, PHACID0800, PHACID0801, PHACID0802, PHACID0803, PHACID0804, PHACID0805, PHACID0900, PHACID0901, PHACID0902, PHACID1000, PHACID1001, PHACID1002, PHACID1003, PHACID1004, PHACID1005, PHACID1006, PHACID1007, PHACID1008, PHACID1009, PHACID1010, PHACID1011, PHACID6050, PHACID1013, PHACID1014, PHACID1015, PHACID1016, PHACID1017, PHACID1018, PHACID1019, PHACID1020, PHACID1021, PHACID1022, PHACID1023, PHACID1024, PHACID1025, PHACID1026, PHACID1027, PHACID1028, PHACID1029, PHACID1030, PHACID1031, PHACID1032, PHACID1033, PHACID1034, PHACID1035, PHACID1036, PHACID1037, PHACID1038, PHACID1039, PHACID1040, PHACID1041, PHACID1042, PHACID1043, PHACID1044, PHACID1045, PHACID1046, PHACID1047, PHACID1048, PHACID1049, PHACID1050, PHACID1100, PHACID1101, PHACID1102, PHACID1103, PHACID1200, PHACID1201, PHACID1300, PHACID1301, PHACID1400, PHACID1401, PHACID1402, PHACID1500, PHACID1501, PHACID1502, PHACID1503, PHACID1504, PHACID1505, PHACID1506, PHACID1507, PHACID1508, PHACID1509, PHACID1510, PHACID1511, PHACID1512, PHACID1513, PHACID1514, PHACID1515, PHACID1516, PHACID1517, PHACID1600, PHACID1601, PHACID1700, PHACID1701, PHACID1702, PHACID1703, PHACID1704, PHACID1705, PHACID1800, PHACID1801, PHACID1900, PHACID1901, PHACID1902, PHACID2000, PHACID2001, PHACID2002, PHACID2003, PHACID2004, PHACID2005, PHACID2006, PHACID2007, PHACID2008, PHACID2100, PHACID2101, PHACID2102, PHACID2103, PHACID2104, PHACID2200, PHACID2300, PHACID2400, PHACID2500, PHACID2501, PHACID2600, PHACID2601, PHACID2700, PHACID2701, PHACID2702, PHACID2703, PHACID2800, PHACID2801, PHACID2802, PHACID2900, PHACID2901, PHACID3000, PHACID3001, PHACID3002, PHACID3003, PHACID3004, PHACID3005, PHACID3100, PHACID3101, PHACID3102, PHACID3200, PHACID3201, PHACID3202, PHACID3203, PHACID3204, PHACID3205, PHACID3300, PHACID3301, PHACID3302, PHACID3400, PHACID3401, PHACID3500, PHACID3501, PHACID3502, PHACID3503, PHACID3504, PHACID3600, PHACID3601, PHACID3700, PHACID3701, PHACID3800, PHACID3801, PHACID3802, PHACID3900, PHACID3901, PHACID4000, PHACID4001, PHACID4002, PHACID4003, PHACID4100, PHACID4200, PHACID4201, PHACID4202, PHACID4300, PHACID4301, PHACID4400, PHACID4401, PHACID4500, PHACID4501, PHACID4502, PHACID4600, PHACID4601, PHACID4602, PHACID4603, PHACID4700, PHACID4800, PHACID4801, PHACID4802, PHACID4803, PHACID4900, PHACID4901, PHACID4902, PHACID4903, PHACID5000, PHACID5001, PHACID5002, PHACID5003, PHACID5004, PHACID5005, PHACID5006, PHACID5007, PHACID5008, PHACID5009, PHACID5100, PHACID5101, PHACID5200, PHACID5201, PHACID5300, PHACID5301, PHACID5400, PHACID5500, PHACID5501, PHACID5502, PHACID5503, PHACID5504, PHACID5505, PHACID5506, PHACID5507, PHACID5508, PHACID5509, PHACID5510, PHACID5511, PHACID5512, PHACID5513, PHACID5514, PHACID5515, PHACID5516, PHACID5517, PHACID5518, PHACID5519, PHACID5520, PHACID5521, PHACID5522, PHACID5523, PHACID5524, PHACID5525, PHACID5526, PHACID5527, PHACID5528, PHACID5529, PHACID5530, PHACID5531, PHACID5532, PHACID5533, PHACID5534, PHACID5535, PHACID5536, PHACID5600, PHACID5601, PHACID5700, PHACID5701, PHACID5800, PHACID5900, PHACID5901, PHACID6000, PHACID6001, PHACID6002, PHACID6003, PHACID6004, PHACID6005, PHACID6006, PHACID6007, PHACID6008, PHACID6009, PHACID6010, PHACID6011, PHACID6012, PHACID6013, PHACID6014, PHACID6015, PHACID6016, PHACID6017, PHACID6018, PHACID6019, PHACID6020, PHACID6021, PHACID6022, PHACID6023, PHACID6024, PHACID6025, PHACID6100, PHACID6101, PHACID6102, PHACID6103, PHACID6104, PHACID6105, PHACID6200, PHACID6201, PHACID6202, PHACID6300, PHACID6301, PHACID6400, PHACID6401, PHACID6500, PHACID6501, PHACID6502, PHACID6600, PHACID6601, PHACID6700, PHACID6701, PHACID6702, PHACID6703, PHACID6800, PHACID6801, PHACID6802, PHACID6900, PHACID6901, PHACID6902, PHACID7000, PHACID7001, PHACID7100, PHACID7101, PHACID7200, PHACID7300, PHACID7400, PHACID7401, PHACID7500, PHACID7600, PHACID7700, PHACID7701,



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**Revision**

2

**Revision Date**

21 Jun 2013

**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 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  
**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

