

### 1. IDENTIFICATION

<b>Product Name</b>	<b>Monocalcium phosphate</b>
<b>Other Names</b>	Calcium phosphate; Dicalcium phosphate
<b>Uses</b>	Used as a phosphorus and calcium source in animal feeds.
<b>Chemical Family</b>	No Data Available
<b>Chemical Formula</b>	Unspecified
<b>Chemical Name</b>	Monocalcium phosphate
<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)** Not Scheduled

#### 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>	Skin Corrosion/Irritation - Category 2 Serious Eye Damage/Irritation - Category 2A Specific Target Organ Toxicity (Single Exposure) - Category 3		
<b>Pictograms</b>			
<b>Signal Word</b>	Warning		
<b>Hazard Statements</b>	<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>P280</b>	Wear protective gloves/eye protection/face protection.
		<b>P261</b>	Avoid breathing dust.
		<b>P271</b>	Use only outdoors or in a well-ventilated area.
	Response	<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>P312</b>	Call a POISON CENTER or doctor/physician if you feel unwell.
		<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.
		<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)

<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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### Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

<b>HSNO Classifications</b>	Health Hazards	<b>6.1E</b>	Substances that are acutely toxic –May be harmful, Aspiration hazard
		<b>6.3A</b>	Substances that are irritating to the skin
		<b>6.4A</b>	Substances that are irritating to the eye

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Monocalcium phosphate	Ca.2H3O4P	7758-23-8	60 - 70 %
Calcium phosphate, dihydrate	Ca.H3O4P.2H2O	7789-77-7	30 - 40 %
Water	H2O	7732-18-5	2 %

#### 4. FIRST AID MEASURES

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

<b>Swallowed</b>	If swallowed: Rinse mouth, then (slowly) drink plenty of water. Do NOT induce vomiting. If vomiting occurs spontaneously, lean patient forward (head-down position, if possible) to maintain an open airway and prevent aspiration. Never give anything by mouth to an unconscious person. Call a Poison Centre or doctor/physician if you feel unwell.
<b>Eye</b>	Eye contact: 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>	Skin contact: Remove material from skin immediately. Flush skin with running water for several minutes/Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. 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 if experiencing respiratory symptoms or if you feel unwell.
<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>	Non-combustible.
<b>Extinguishing Media</b>	Use extinguishing media suitable for the surrounding area.
<b>Fire and Explosion Hazard</b>	Not considered a significant fire risk, however containers may burn.
<b>Hazardous Products of Combustion</b>	Decomposition may produce toxic fumes of: Phosphorus oxides.
<b>Special Fire Fighting Instructions</b>	No information available.
<b>Personal Protective Equipment</b>	Wear self-contained breathing apparatus and structural firefighting protective clothing.
<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>	No Data Available

#### 6. ACCIDENTAL RELEASE MEASURES

<b>General Response Procedure</b>	Ensure adequate ventilation - Ventilate enclosed spaces before entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames). Do not touch or walk through spilled material. Avoid breathing dust. Avoid contact with eyes and skin.
<b>Clean Up Procedures</b>	Clean up spills immediately. Recover product wherever possible. Avoid generating dust. If required, wet with water to prevent dusting. Sweep/shovel material into suitable containers for later disposal.
<b>Containment</b>	Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Prevent dust cloud.

<b>Decontamination</b>	Wash area down with large quantity of water and prevent runoff into drains.
<b>Environmental Precautionary Measures</b>	Prevent spillage from entering drains, sewers or water courses. If contamination of drains or waterways occurs, advise emergency services.
<b>Evacuation Criteria</b>	Spill or leak area should be isolated immediately. Keep unauthorised personnel away. Keep upwind.
<b>Personal Precautionary Measures</b>	Do not touch damaged containers or spilled material unless wearing appropriate protective clothing (see SECTION 8).

## 7. HANDLING AND STORAGE

<b>Handling</b>	Safety showers and eyewash fountains should be provided within the immediate work area for emergency use. Handle in accordance with good industrial hygiene and safety practice. Use only outside or in a well-ventilated area. Avoid breathing dust. Avoid contact with eyes and skin. Wear protective gloves/eye protection/face protection.
<b>Storage</b>	Keep dry. Store under cover in a well-ventilated place. Keep containers securely sealed when not in use. Protect containers against physical damage. Keep away from incompatible materials (oxidising and reducing agents). Store locked up.
<b>Container</b>	Keep in the original or suitable (Polyethylene or Polypropylene) container. Check all containers are clearly labelled and free from leaks.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>General</b>	Contains no substances with occupational exposure limit values. For dusts from solid substances without specific occupational exposure standards: - New Zealand WES (Particulates not otherwise classified): TWA = 10 mg/m <sup>3</sup> (total); TWA = 3 mg/m <sup>3</sup> (respirable). - OSHA PEL (Particulates not otherwise regulated): TWA = 15 mg/m <sup>3</sup> (total); TWA = 5 mg/m <sup>3</sup> (respirable).
<b>Exposure Limits</b>	No Data Available
<b>Biological Limits</b>	No information available.
<b>Engineering Measures</b>	Provide adequate ventilation in warehouse or closed storage areas. 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 filter type: Particulate (AS/NZS 1716 & 1715). Eye/face protection: Wear appropriate eye protection to prevent eye contact. Recommended: Safety glasses with side-shields or chemical goggles. Hand protection: Wear protective gloves. Recommended (for protection against undissolved, dry solids, where abrasive particles are not present): Polychloroprene, nitrile rubber, butyl rubber, polyvinyl chloride (Break through time: >240 min. where prolonged or repeated contact may occur; Breakthrough time: >60 min. when only brief contact is expected). Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Overalls; PVC apron.
<b>Special Hazards Precautions</b>	No information available.
<b>Work Hygienic Practices</b>	When handling, Do NOT eat, drink or smoke. Always wash hands with soap and water after handling. Work clothes should be laundered separately.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Solid
<b>Appearance</b>	Crystalline solid or dry powder
<b>Odour</b>	Odourless
<b>Colour</b>	White to off-white
<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>	Partly soluble in water
<b>Specific Gravity</b>	No Data Available
<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>	No Data Available
<b>Potential for Dust Explosion</b>	No information available.
<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>	Non-combustible. Not considered a significant fire risk, however containers may burn.
<b>Reactions That Release Gases or Vapours</b>	Partial oxidation of phosphates by oxidising agents may result in the release of toxic phosphorus oxides.
<b>Release of Invisible Flammable Vapours and Gases</b>	Phosphates are susceptible to formation of highly toxic and flammable phosphine gas in the presence of strong reducing agents such as hydrides.

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Product is considered stable.
<b>Conditions to Avoid</b>	Avoid generating dust.
<b>Materials to Avoid</b>	Incompatible with oxidising and reducing agents.
<b>Hazardous Decomposition Products</b>	Decomposition may produce toxic fumes of: Phosphorus oxides. Phosphates are susceptible to formation of highly toxic and flammable phosphine gas in the presence of strong reducing agents such as hydrides.
<b>Hazardous Polymerisation</b>	Will not occur.

## 11. TOXICOLOGICAL INFORMATION

<b>General Information</b>	<p>Information on possible routes of exposure:</p> <ul style="list-style-type: none"> <li>- Ingestion: Accidental ingestion of the material may be damaging to the health of the individual. Effects can include vomiting, tiredness, fever, diarrhoea, low blood pressure, slow pulse, cyanosis, spasms of the wrist, coma and severe body spasms.</li> <li>- Inhalation: The material can cause respiratory irritation in some persons.</li> <li>- Skin contact: This material can cause inflammation of the skin on contact in some persons. The material may accentuate pre-existing dermatitis conditions. Skin contact is not thought to have harmful health effects; however the material may still produce health damage following entry through wounds, lesions or abrasions. Open cuts, abraded or irritated skin should not be exposed to this material.</li> <li>- Eye contact: This material can cause eye irritation and damage in some persons.</li> <li>- Chronic exposure: Long-term exposure to respiratory irritants may result in disease of the airways involving difficult breathing and related systemic problems.</li> </ul>
<b>Acute</b>	
<b>Ingestion</b>	<p>Acute toxicity (Oral):  INGREDIENT: Monocalcium phosphate (CAS No. 7758-23-8): LD50, Rat: &gt;2,000 mg/kg.  INGREDIENT: Calcium phosphate, dihydrate (CAS No. 7789-77-7): LD50, Rat: &gt;4,649 mg/kg.</p>
<b>Other</b>	<p>Acute toxicity (Dermal):  INGREDIENT: Monocalcium phosphate (CAS No. 7758-23-8): LD50, Rabbit: &gt;2,000 mg/kg.</p>
<b>Carcinogen Category</b>	None

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	<p>INGREDIENT: Monocalcium phosphate (CAS No. 7758-23-8):</p> <ul style="list-style-type: none"> <li>- LC50: &gt;1,000 mg/l (96 h).</li> <li>- EC50: &gt;1,000 mg/l (48 h).</li> <li>- EC50: &gt;87.60 mg/l (72 h).</li> </ul> <p>INGREDIENT: Calcium phosphate, dihydrate (CAS No. 7789-77-7):</p> <ul style="list-style-type: none"> <li>- LC50: &gt;1,000 mg/l (96 h).</li> <li>- EC50: &gt;1,000 mg/l (48 h).</li> <li>- EC50: &gt;1,000 mg/l (72 h).</li> </ul>
<b>Persistence/Degradability</b>	No information available.
<b>Mobility</b>	No information available.
<b>Environmental Fate</b>	Prevent from entering drains, sewers or water courses.
<b>Bioaccumulation Potential</b>	No information available.
<b>Environmental Impact</b>	No Data Available

## 13. DISPOSAL CONSIDERATIONS

<b>General Information</b>	Recycle wherever possible. Dispose of contents/container in accordance with local/regional/national regulations. Bury residue in an authorised landfill.
<b>Special Precautions for Land Fill</b>	No information available.

## 14. TRANSPORT INFORMATION

### Land Transport (Australia)

ADG Code

<b>Proper Shipping Name</b>	Monocalcium phosphate
<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 (Malaysia)

ADR Code

<b>Proper Shipping Name</b>	Monocalcium phosphate
<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>	Monocalcium phosphate
<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>	Monocalcium phosphate
<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

### Sea Transport

IMDG Code

<b>Proper Shipping Name</b>	Monocalcium phosphate
<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>	Monocalcium phosphate
<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

**General Information** No Data Available

**Poisons Schedule (Aust)** Not Scheduled

## Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

**Approval Code** HSR002521

## 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>	Not Determined
<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



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

## 16. OTHER INFORMATION

<b>Related Product Codes</b>	MODICA0202, MODICA0203, MODICA0204, MODICA0205, MODICA0420, MODICA1000, MODICA1001, MODICA1002, MODICA1003, MODICA1004, MODICA1005, MODICA1006, MODICA1007, MODICA1041, MODICA1051, MODICA1064, MODICA1066, MODICA1150, MODICA1160, MODICA1170, MODICA1200, MODICA1211, MODICA1214, MODICA1215, MODICA1217, MODICA1218, MODICA1300, MODICA1301, MODICA1302, MODICA1303, MODICA1304, MODICA1305, MODICA1306, MODICA1400, MODICA1401, MODICA1402, MODICA1500, MODICA1501, MODICA1550, MODICA1600, MODICA1601, MODICA1700, MODICA1800, MODICA1801, MODICA1802, MODICA1803, MODICA1804, MODICA1805, MODICA1806, MODICA1807, MODICA1808, MODICA1900, MODICA2000, MODICA2001, MODICA2002, MODICA2003, MODICA2004, MODICA2100, MODICA2101, MODICA2200, MODICA2300, MODICA2400, MODICA2500, MODICA2502, MODICA2600, MODICA2601, MODICA2700, MODICA2800, MODICA2900, MODICA3000, MODICA3100, MODICA3200, MODICA3300, MODICA3301, MODICA3302, MODICA3500, MODICA3501, MODICA3502, MODICA3600, MODICA3700, MODICA3800, MODICA3900, MODICA4000, MODICA4100, MODICA4200, MODICA4201, MODICA4300, MODICA4301, MODICA4400, MODICA4500, MODICA4501, MODICA4600, MODICA4700, MODICA4800, MODICA5000, MODICA5500, MODICA5600, MODICA5700, MODICA5701, MODICA5800, MODICA6000, MODICA6001, MODICA6500, MODICA6600, MODICA6601, MODICA6602, MODICA6603, MODICA6610, MODICA6611, MODICA6700, MODICA6701, MODICA6702, MODICA6703, MODICA6710, MODICA6711, MODICA7000, MODICA7200, MODICA7400, MODICA7500, MODICA7600, MODICA8000, MODICA8200, MODICA8500, MODICA8600, MODICA9000, MODICA9100, MODICA9500, MODICA9600
<b>Revision</b>	3
<b>Revision Date</b>	23 Oct 2015
<b>Key/Legend</b>	<p>&lt; Less Than &gt; Greater Than</p> <p><b>AICS</b> Australian Inventory of Chemical Substances  <b>atm</b> Atmosphere  <b>CAS</b> Chemical Abstracts Service (Registry Number)  <b>cm<sup>2</sup></b> Square Centimetres  <b>CO<sub>2</sub></b> Carbon Dioxide  <b>COD</b> Chemical Oxygen Demand  <b>deg C (°C)</b> Degrees Celcius  <b>EPA (New Zealand)</b> Environmental Protection Authority of New Zealand  <b>deg F (°F)</b> Degrees Farenheit  <b>g</b> Grams  <b>g/cm<sup>3</sup></b> Grams per Cubic Centimetre  <b>g/l</b> Grams per Litre  <b>HSNO</b> Hazardous Substance and New Organism  <b>IDLH</b> Immediately Dangerous to Life and Health  <b>immiscible</b> Liquids are insoluable in each other.  <b>inHg</b> Inch of Mercury  <b>inH<sub>2</sub>O</b> Inch of Water  <b>K</b> Kelvin  <b>kg</b> Kilogram  <b>kg/m<sup>3</sup></b> Kilograms per Cubic Metre  <b>lb</b> Pound  <b>LC<sub>50</sub></b> 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.  <b>LD<sub>50</sub></b> 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.  <b>ltr</b> or <b>L</b> Litre  <b>m<sup>3</sup></b> Cubic Metre  <b>mbar</b> Millibar  <b>mg</b> Milligram  <b>mg/24H</b> Milligrams per 24 Hours  <b>mg/kg</b> Milligrams per Kilogram  <b>mg/m<sup>3</sup></b> Milligrams per Cubic Metre  <b>Misc</b> or <b>Miscible</b> Liquids form one homogeneous liquid phase regardless of the amount of either component present.  <b>mm</b> Millimetre  <b>mmH<sub>2</sub>O</b> Millimetres of Water</p>

**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