



SAFETY DATA SHEET ZINC NITRATE REVISION 4, DATE 01 APR 19

1. IDENTIFICATION

| | |
|----------------------------|---|
| Product Name | Zinc Nitrate |
| Other Names | Nitric acid, zinc salt [CAS#7779-88-6]; Zinc dinitrate, hexahydrate |
| Uses | General chemical; dyestuff manufacture; acidic catalyst; latex coagulant. |
| Chemical Family | No Data Available |
| Chemical Formula | $Zn(NO_3)_2 \cdot 6H_2O$ |
| Chemical Name | Nitric acid, zinc salt, hexahydrate |
| Product Description | No Data Available |

Contact Details of the Supplier of this Safety Data Sheet

| Organisation | Location | Telephone |
|-------------------------|--|-----------------|
| Redox Ltd | 2 Swettenham Road Minto NSW 2566 Australia | +61-2-97333000 |
| Redox 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

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

Hazard Categories Oxidising Solids - Category 2
 Acute Toxicity (Oral) - Category 4
 Skin Corrosion/Irritation - Category 2
 Serious Eye Damage/Irritation - Category 2A
 Specific Target Organ Toxicity (Single Exposure) - Category 3
 Acute Hazard To The Aquatic Environment - Category 1
 Long-term Hazard To The Aquatic Environment - Category 2

Pictograms

Signal Word Danger

Hazard Statements

| | |
|-------------|--|
| H272 | May intensify fire; oxidizer. |
| H302 | Harmful if swallowed. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H400 | Very toxic to aquatic life. |
| H411 | Toxic to aquatic life with long lasting effects. |

| | | |
|---------------------------------|------------|--|
| Precautionary Statements | Prevention | <p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P221 Take any precaution to avoid mixing with combustibles.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P261 Avoid breathing dusts or mists.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P273 Avoid release to the environment.</p> |
| | Response | <p>P370 + P378 In case of fire: Use water for extinction.</p> <p>P302 + P352 IF ON SKIN: Wash with plenty of water/...</p> <p>P337 + P313 If eye irritation persists: Get medical advice/attention.</p> <p>P312 Call a POISON CENTER or doctor if you feel unwell.</p> <p>P330 Rinse mouth.</p> <p>P332 + P313 If skin irritation occurs: Get medical advice/attention.</p> <p>P362 Take off contaminated clothing.</p> <p>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P304 + P340 IF INHALED: Remove victim to fresh air and keep comfortable for breathing.</p> <p>P391 Collect spillage.</p> |
| | Storage | <p>P403 + P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P405 Store locked up.</p> |
| | Disposal | <p>P501 Dispose of contents/container in accordance with local / regional / national / international regulations.</p> |

National Transport Commission (Australia)

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

Dangerous Goods Classification

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

Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

| | | | |
|-----------------------------|-----------------------|---------------|--|
| HSNO Classifications | Physical Hazards | 5.1.1B | Oxidising substances that are liquids or solids: medium hazard |
| | Health Hazards | 6.1C | Substances that are acutely toxic- Toxic |
| | | 6.3A | Substances that are irritating to the skin |
| | | 6.4A | Substances that are irritating to the eye |
| | Environmental Hazards | 9.1A | Substances that are very ecotoxic in the aquatic environment |
| | | 9.3B | Substances that are ecotoxic to terrestrial vertebrates |

3. COMPOSITION/INFORMATION ON INGREDIENTS*Ingredients*

| Chemical Entity | Formula | CAS Number | Proportion |
|-------------------------------------|---------------|------------|--------------|
| Nitric acid, zinc salt, hexahydrate | Zn(NO3)2.6H2O | 10196-18-6 | >=98 - 100 % |

4. FIRST AID MEASURES*Description of necessary measures according to routes of exposure*

| | |
|--|---|
| Swallowed | IF SWALLOWED: Rinse mouth, then drink large quantities of water. Do not induce vomiting. Call a Poison Centre or doctor/physician for advice. Never give anything by mouth to an unconscious person. |
| Eye | 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. Get immediate medical advice/attention. |
| Skin | IF ON SKIN (or hair): Remove contaminated clothing and shoes immediately. Flush skin and hair with running water for at least 15 minutes. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing and shoes before reuse. |
| Inhaled | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a Poison Centre or doctor/physician for advice. Apply resuscitation if victim is not breathing - Administer oxygen if breathing is difficult. |
| Advice to Doctor | Treat symptomatically. Keep victim calm and warm - Obtain immediate medical care. Ensure that attending medical personnel are aware of identity and nature of the product(s) involved, and take precautions to protect themselves. |
| Medical Conditions Aggravated by Exposure | No information available. |

5. FIRE FIGHTING MEASURES

| | |
|---|---|
| General Measures | If safe to do so, move undamaged containers from fire area. Do not move cargo if cargo has been exposed to heat. Cool containers with flooding quantities of water until well after fire is out – If impossible, withdraw from area and let fire burn. Avoid getting water inside containers - a violent reaction may occur. Dam fire control water for later disposal. |
| Flammability Conditions | OXIDISING SUBSTANCE: Will accelerate burning when involved in a fire. May intensify fire. May ignite combustibles. |
| Extinguishing Media | Use flooding quantities of water for extinction - Do not use dry chemicals, Carbon dioxide (CO2) or foam. Large fire: Flood fire area with water from a protected position. |
| Fire and Explosion Hazard | Risk of violent reaction or explosion! May explode from heating, shock, friction or contamination. The product may form flammable or explosive dust clouds in air. |
| Hazardous Products of Combustion | Fire or heat may produce irritating, toxic and/or corrosive gases, including Nitrogen oxides, Zinc oxides. |
| Special Fire Fighting Instructions | Contain runoff from fire control or dilution water - Runoff may pollute waterways; Runoff may create fire or explosion hazard. |
| Personal Protective Equipment | Wear self-contained breathing apparatus (SCBA) and chemical splash suit. Structural firefighter's uniform will provide limited protection. |
| Flash Point | No Data Available |
| Lower Explosion Limit | No Data Available |
| Upper Explosion Limit | No Data Available |
| Auto Ignition Temperature | No Data Available |
| Hazchem Code | 1Y |

6. ACCIDENTAL RELEASE MEASURES

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| General Response Procedure | Ensure adequate ventilation. ELIMINATE all ignition sources - Prevent exposure to heat. Do not contaminate - Keep combustibles away from spilled material. Do not touch or walk through spilled material. Avoid accidents, clean up immediately. Avoid generating dust. Avoid breathing dust and contact with eyes, skin and clothing. |
| Clean Up Procedures | Use clean, non-sparking tools to transfer material to a clean, dry containers for recovery or disposal (see (SECTION 13). Avoid dispersal of dust in the air. Move container from spill area. |
| Containment | Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Prevent dust cloud. |
| Decontamination | Ventilate area. Wash area down with excess water to remove residual material. |
| Environmental Precautionary Measures | Spillages and decontamination runoff should be prevented from entering drains and watercourses. |
| Evacuation Criteria | Spill or leak area should be isolated immediately. Keep unauthorised personnel away. Keep upwind and to higher ground. Large spill: Immediately contact Police or Fire Brigade; Consider initial downwind evacuation of areas within at least 100 m. |
| Personal Precautionary Measures | Do not touch damaged containers or spilled material unless wearing appropriate protective clothing (see SECTION 8). |

7. HANDLING AND STORAGE

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| Handling | Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation - Use only outdoors or in a well-ventilated area. Handle in accordance with good industrial hygiene and safety practice. Minimise dust generation and accumulation. Avoid breathing dusts or mists and contact with eyes, skin and clothing. Do not ingest. Wear protective gloves/protective clothing/eye protection/face protection (see SECTION 8). OXIDISING SUBSTANCE: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Take any precaution to avoid mixing with combustibles/organic materials. Avoid release to the environment - Collect spillage (see SECTION 6). |
| Storage | Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep containers closed when not in use to ensure contamination does not occur - check regularly for leaks or spills. Protect against physical damage and moisture. Keep away from heat and sources of ignition - No smoking. Keep store away from combustibles, organic or other readily oxidisable materials. Keep away from foodstuffs and incompatible materials (see SECTION 10). Store locked up. |
| Container | Keep in the original container. Containers of this material may be hazardous when empty since they retain product |

residues (dust, solids); observe all warnings and precautions listed for the product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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|--------------------------------------|---|
| General | No specific exposure standards are available for this product. For dusts from solid substances without specific occupational exposure standards: - Safe Work Australia Exposure Standard (Nuisance dusts): 8 hr TWA = 10 mg/m ³ (measured as inhalable dust). - New Zealand WES (Particulates not otherwise classified): TWA = 10 mg/m ³ ; TWA = 3 mg/m ³ (respirable dust). |
| Exposure Limits | No Data Available |
| Biological Limits | No information available. |
| Engineering Measures | A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. |
| Personal Protection Equipment | - Respiratory protection: In case of inadequate ventilation, wear respiratory protection. Recommended: Dust mask/particulate filter respirator. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator (refer to AS/NZS 1715 & 1716). - Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Full-face shield and/or safety glasses/goggles with side shield protection. - Hand protection: Wear protective gloves. Recommended: Elbow-length impervious gloves (nitrile or laminated film). - Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Impervious apron, coveralls, trousers, long sleeved shirt, closed in shoes and/or safety footwear. |
| Special Hazards Precautions | No information available. |
| Work Hygienic Practices | Do not eat, drink or smoke when using this product. Always remove contaminated clothing and wash hands before eating, drinking, smoking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. |

9. PHYSICAL AND CHEMICAL PROPERTIES

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|----------------------------------|--------------------------------|
| Physical State | Solid |
| Appearance | Crystals or flakes |
| Odour | Slight, nitric acid |
| Colour | Colourless or white |
| pH | No Data Available |
| Vapour Pressure | No Data Available |
| Relative Vapour Density | No Data Available |
| Boiling Point | ca. 105 °C |
| Melting Point | ca. 36 °C |
| Freezing Point | No Data Available |
| Solubility | Soluble in water (200 g/100 g) |
| Specific Gravity | 2.07 |
| Flash Point | No Data Available |
| Auto Ignition Temp | No Data Available |
| Evaporation Rate | No Data Available |
| Bulk Density | No Data Available |
| Corrosion Rate | No Data Available |
| Decomposition Temperature | No Data Available |
| Density | No Data Available |
| Specific Heat | No Data Available |

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|---|--|
| Molecular Weight | No Data Available |
| Net Propellant Weight | No Data Available |
| Octanol Water Coefficient | No Data Available |
| Particle Size | No Data Available |
| Partition Coefficient | No Data Available |
| Saturated Vapour Concentration | No Data Available |
| Vapour Temperature | No Data Available |
| Viscosity | No Data Available |
| Volatile Percent | 0% @ 21°C |
| VOC Volume | No Data Available |
| Additional Characteristics | Hygroscopic. |
| Potential for Dust Explosion | The product may form flammable or explosive dust clouds in air. |
| Fast or Intensely Burning Characteristics | Risk of violent reaction or explosion! May explode from heating, shock, friction or contamination. |
| Flame Propagation or Burning Rate of Solid Materials | No information available. |
| Non-Flammables That Could Contribute Unusual Hazards to a Fire | No information available. |
| Properties That May Initiate or Contribute to Fire Intensity | OXIDISING SUBSTANCE: Will accelerate burning when involved in a fire. May intensify fire. May ignite combustibles. |
| Reactions That Release Gases or Vapours | Decomposition may produce irritating, toxic and/or corrosive gases, including Nitrogen oxides, Zinc oxides. |
| Release of Invisible Flammable Vapours and Gases | No information available. |

10. STABILITY AND REACTIVITY

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|---|---|
| General Information | Substance is capable of reacting rapidly with reducing agents and combustible materials at elevated temperatures. |
| Chemical Stability | Stable under ordinary conditions of use and storage. |
| Conditions to Avoid | Avoid generating dust. Prevent exposure to heat and sources of ignition. Do not contaminate. Avoid exposure to moisture. |
| Materials to Avoid | Incompatible/reactive with combustible/organic materials, reducing agents, carbon, sulphur, copper, sulphides, phosphorous, alkalis, acids, amines. |
| Hazardous Decomposition Products | Decomposition may produce irritating, toxic and/or corrosive gases, including Nitrogen oxides, Zinc oxides. |
| Hazardous Polymerisation | Will not occur. |

11. TOXICOLOGICAL INFORMATION

| | |
|----------------------------|--|
| General Information | <ul style="list-style-type: none"> - Acute toxicity: Harmful if swallowed. Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and irritation/chemical burns to the gastrointestinal tract. - Skin corrosion/irritation: Causes skin irritation. May cause effects such as severe itchiness, blistering, stinging and skin reddening. - Eye damage/irritation: Causes serious eye irritation. May cause discomfort such as copious watering, and redness of the eyes. - Respiratory/skin sensitisation: Zinc nitrate does not induce dermal sensitisation in animals. - Germ cell mutagenicity: Non-mutagenic. - Carcinogenicity: No information available. |
|----------------------------|--|

- Reproductive toxicity: No information available.
- STOT (single exposure): May cause respiratory irritation. shortness of breath, headache, and nausea. Exposure to high dust concentrations may result in persistent headache, dizziness, nausea, vomiting, cyanosis, convulsions, and death.
- STOT (repeated exposure): No information available.
- Aspiration toxicity: No information available.

Acute

| | |
|---------------------|--|
| Ingestion | Acute toxicity (Oral): - LD50, Rat: 1,400 mg/kg |
| Carcinogen Category | None |

12. ECOLOGICAL INFORMATION

| | |
|---------------------------|---|
| Ecotoxicity | No information available. |
| Persistence/Degradability | No information available. |
| Mobility | No information available. |
| Environmental Fate | This material is expected to be toxic to aquatic life - Do NOT let product enter waterways, drains or sewers. |
| Bioaccumulation Potential | This material is not expected to significantly bioaccumulate. |
| Environmental Impact | No Data Available |

13. DISPOSAL CONSIDERATIONS

| | |
|-----------------------------------|---|
| General Information | Dispose of contents/container in accordance with local/regional/national regulations. Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to an approved waste facility. |
| Special Precautions for Land Fill | The product is suitable for disposal by landfill through an approved agent. Do NOT incinerate, as the by-products of incineration are toxic (nitrogen oxides and zinc oxides). |

14. TRANSPORT INFORMATION**Land Transport (Australia)**

ADG Code

| | |
|----------------------|--------------------------|
| Proper Shipping Name | ZINC NITRATE |
| Class | 5.1 Oxidising Substances |
| Subsidiary Risk(s) | No Data Available |
| EPG | 31 Oxidizing Substances |
| UN Number | 1514 |
| Hazchem | 1Y |
| Pack Group | II |
| Special Provision | No Data Available |

Land Transport (Malaysia)

ADR Code

| | |
|----------------------|--------------------------|
| Proper Shipping Name | ZINC NITRATE |
| Class | 5.1 Oxidising Substances |

| | |
|---------------------------|-------------------------|
| Subsidiary Risk(s) | No Data Available |
| EPG | 31 Oxidizing Substances |
| UN Number | 1514 |
| Hazchem | 1Y |
| Pack Group | II |
| Special Provision | No Data Available |

Land Transport (New Zealand)

NZS5433

| | |
|-----------------------------|--------------------------|
| Proper Shipping Name | ZINC NITRATE |
| Class | 5.1 Oxidising Substances |
| Subsidiary Risk(s) | No Data Available |
| EPG | 31 Oxidizing Substances |
| UN Number | 1514 |
| Hazchem | 1Y |
| Pack Group | II |
| Special Provision | No Data Available |

Land Transport (United States of America)

US DOT

| | |
|-----------------------------|--------------------------|
| Proper Shipping Name | ZINC NITRATE |
| Class | 5.1 Oxidising Substances |
| Subsidiary Risk(s) | No Data Available |
| ERG | 140 Oxidizers |
| UN Number | 1514 |
| Hazchem | 1Y |
| Pack Group | II |
| Special Provision | No Data Available |

Sea Transport

IMDG Code

| | |
|-----------------------------|--------------------------|
| Proper Shipping Name | ZINC NITRATE |
| Class | 5.1 Oxidising Substances |
| Subsidiary Risk(s) | No Data Available |
| UN Number | 1514 |
| Hazchem | 1Y |
| Pack Group | II |
| Special Provision | No Data Available |
| EMS | F-H, S-Q |
| Marine Pollutant | Yes |

Air Transport

IATA DGR

| | |
|-----------------------------|--------------------------|
| Proper Shipping Name | ZINC NITRATE |
| Class | 5.1 Oxidising Substances |
| Subsidiary Risk(s) | No Data Available |
| UN Number | 1514 |
| Hazchem | 1Y |

| | |
|--------------------------|-------------------|
| Pack Group | II |
| Special Provision | No Data Available |

National Transport Commission (Australia)

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

| | |
|---------------------------------------|---|
| Dangerous Goods Classification | Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code) |
|---------------------------------------|---|

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 | HSR005093 |
|----------------------|-----------|

National/Regional Inventories

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

16. OTHER INFORMATION

| | |
|-----------------------|--|
| Related Product Codes | ZINTR1000, ZINTR1001, ZINTR1002, ZINTR1003, ZINTR1004, ZINTR1100, ZINTR1101, ZINTR1110, ZINTR1800, ZINTR1801, ZINTR1802, ZINTR1803, ZINTR1804, ZINTR1805, ZINTR1806, ZINTR1807, ZINTR1808, ZINTR1809, ZINTR1810, ZINTR1811, ZINTR2000, ZINTR2001, ZINTR5000 |
| Revision | 4 |
| Revision Date | 01 Apr 2019 |
| Key/Legend | <p>< Less Than</p> <p>> Greater Than</p> <p>AICS Australian Inventory of Chemical Substances</p> <p>atm Atmosphere</p> <p>CAS Chemical Abstracts Service (Registry Number)</p> <p>cm² Square Centimetres</p> <p>CO₂ Carbon Dioxide</p> <p>COD Chemical Oxygen Demand</p> <p>deg C (°C) Degrees Celcius</p> <p>EPA (New Zealand) Environmental Protection Authority of New Zealand</p> <p>deg F (°F) Degrees Farenheit</p> <p>g Grams</p> <p>g/cm³ Grams per Cubic Centimetre</p> <p>g/l Grams per Litre</p> <p>HSNO Hazardous Substance and New Organism</p> <p>IDLH Immediately Dangerous to Life and Health</p> <p>immiscible Liquids are insoluable in each other.</p> <p>inHg Inch of Mercury</p> <p>inH₂O Inch of Water</p> <p>K Kelvin</p> <p>kg Kilogram</p> <p>kg/m³ Kilograms per Cubic Metre</p> <p>lb Pound</p> <p>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.</p> <p>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.</p> <p>ltr or L Litre</p> <p>m³ Cubic Metre</p> <p>mbar Millibar</p> <p>mg Milligram</p> <p>mg/24H Milligrams per 24 Hours</p> <p>mg/kg Milligrams per Kilogram</p> <p>mg/m³ Milligrams per Cubic Metre</p> <p>Misc or Miscible Liquids form one homogeneous liquid phase regardless of the amount of either component present.</p> <p>mm Millimetre</p> <p>mmH₂O Millimetres of Water</p> <p>mPa.s Millipascals per Second</p> <p>N/A Not Applicable</p> <p>NIOSH National Institute for Occupational Safety and Health</p> <p>NOHSC National Occupational Heath and Safety Commission</p> <p>OECD Organisation for Economic Co-operation and Development</p> <p>Oz Ounce</p> <p>PEL Permissible Exposure Limit</p> <p>Pa Pascal</p> <p>ppb Parts per Billion</p> <p>ppm Parts per Million</p> <p>ppm/2h Parts per Million per 2 Hours</p> <p>ppm/6h Parts per Million per 6 Hours</p> <p>psi Pounds per Square Inch</p> <p>R Rankine</p> <p>RCP Reciprocal Calculation Procedure</p> <p>STEL Short Term Exposure Limit</p> <p>TLV Threshold Limit Value</p> <p>tne Tonne</p> |

TWA Time Weighted Average
ug/24H Micrograms per 24 Hours
UN United Nations
wt Weight