



SAFETY DATA SHEET DIAMMONIUM PHOSPHATE (DAP) REVISION 5, DATE 25 NOV 2022

1. IDENTIFICATION

| | |
|----------------------------|---|
| Product Name | Diammonium phosphate (DAP) |
| Other Names | Ammonium hydrogen phosphate; Ammonium phosphate; Diammonium hydrogen orthophosphate; Diammonium hydrogen phosphate; Diammonium orthophosphate |
| Uses | Chemical reagent, flameproofing agent, fertiliser, food additive. |
| Chemical Family | Phosphates |
| Chemical Formula | $(\text{NH}_4)_2\text{HPO}_4$ |
| Chemical Name | Phosphoric acid, diammonium salt |
| 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 | Suite 13A.03, Menara Summit Persiaran Kewajipan USJ1 47600 UEP Subang Jaya Selangor, 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 | Australia – Westmead NSW | 1800-251525 131126 |
| Chemcall | Australia | 1800-127406 +64-4-9179888 |
| Chemcall | Malaysia | +64-4-9179888 |
| National Poison Centre | Malaysia | +60-4-6536-999 |
| 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 | NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) |
| Signal Word | None |

National Transport Commission (Australia)

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

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|---------------------------------------|---|
| 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) |
|---------------------------------------|---|

Safe Work Australia

National Guide for Classifying Hazardous Chemicals under the Model WHS Regulations

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

| Chemical Entity | Formula | CAS Number | Proportion |
|----------------------|--|------------|------------|
| Diammonium phosphate | (NH ₄) ₂ HPO ₄ | 7783-28-0 | <=100 % |

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure

| | |
|--|---|
| Swallowed | IF SWALLOWED: Rinse mouth, then drink plenty of water. Do not induce vomiting. Get medical advice/attention if you feel unwell. |
| Eye | IF IN EYES: Rinse cautiously with 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. |
| Skin | IF ON SKIN: Wash with plenty water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs, get medical advice/attention. |
| Inhaled | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory symptoms persist, get medical advice/attention. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. |
| Advice to Doctor | Treat symptomatically. *Most important symptoms and effects, both acute and delayed: None known. |
| Medical Conditions Aggravated by Exposure | No information available. |

5. FIRE FIGHTING MEASURES

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|---|--|
| General Measures | If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out. Dike fire-control water for later disposal. |
| Flammability Conditions | Non-combustible; Material does not burn. |
| Extinguishing Media | If material is involved in a fire, use extinguishing media appropriate to the surrounding fire conditions. |
| Fire and Explosion Hazard | Decomposes on heating, emitting toxic fumes. |
| Hazardous Products of Combustion | Fire or heat will produce irritating and/or toxic gases, including Nitrogen oxides, Phosphorus oxides, Ammonia. |
| Special Fire Fighting Instructions | Contain runoff from fire control or dilution water - Runoff may cause pollution. |
| Personal Protective Equipment | Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only 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 | No Data Available |

6. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| General Response Procedure | Ensure adequate ventilation. Do not touch or walk through spilled material. Avoid generating dust. Avoid breathing dusts or mists and contact with eyes, skin and clothing. |
| Clean Up Procedures | With clean shovel, place material into clean, dry container and cover loosely; move containers from spill area. |
| Containment | Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. |
| Decontamination | No information available. |
| Environmental Precautionary Measures | Do not allow undiluted product or large quantities to reach groundwater, watercourse or sewage system. |
| Evacuation Criteria | Spill or leak area should be isolated immediately. Keep unauthorised personnel away. |
| Personal Precautionary Measures | Use personal protective equipment as required (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. 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. Use personal protective equipment as required (see SECTION 8). |
| Storage | Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep container tightly closed. Keep away from heat and sources of ignition - No smoking. Keep away from foodstuffs and incompatible materials (see SECTION 10). |
| Container | Keep in the original container. |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|------------------------|---|
| General | No specific exposure standards are available for this product. For dusts from solid substances without specific occupational exposure standards: <ul style="list-style-type: none">- Safe Work Australia Exposure Standard (Nuisance dusts): 8 hr TWA = 10 mg/m³ (measured as inhalable dust).- New Zealand WES (Particulates not otherwise classified): TWA = 10 mg/m³ (total); TWA = 3 mg/m³ (respirable).- OSHA PEL (Particulates not otherwise regulated): TWA = 15 mg/m³ (total); TWA = 5 mg/m³ (respirable). |
| Exposure Limits | No Data Available |

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|--------------------------------------|---|
| 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 | <ul style="list-style-type: none">- Respiratory protection: In case of inadequate ventilation, wear respiratory protection. Recommended: Wear a dust mask where exposure to dust is light. Where the dust nuisance is high, use a properly fitted particulate filter respirator, either full face-piece or half mask plus goggles (refer to AS/NZS 1715 & 1716).- Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Wear safety glasses with side shields.- Hand protection: Wear protective gloves. Recommended: Cotton gloves, which can be washed or disposed of if heavily soiled, will suffice under most circumstances. Use impervious PVC or rubber gloves in high risk situations.- Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Where skin contact may occur, wear ankle length and long sleeved clothing or overalls. |
| Special Hazards Precautions | 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

| | |
|---------------------------------------|---|
| Physical State | Solid |
| Appearance | Crystals, granules or powder |
| Odour | Weak, ammonia-like |
| Colour | White |
| pH | 7.6 - 8.2 |
| Vapour Pressure | No Data Available |
| Relative Vapour Density | No Data Available |
| Boiling Point | No Data Available |
| Melting Point | 155 °C (decomposes) |
| Freezing Point | No Data Available |
| Solubility | Soluble in water - Insoluble in alcohol and acetone |
| Specific Gravity | 0.87 - 1.619 |
| 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 | 155 °C |
| Density | No Data Available |
| Specific Heat | No Data Available |
| 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 | No Data Available |
| VOC Volume | No Data Available |

| | |
|---|---|
| Additional Characteristics | No information available. |
| Potential for Dust Explosion | No information available. |
| Fast or Intensely Burning Characteristics | No information available. |
| 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 | Non-combustible; Material does not burn. |
| Reactions That Release Gases or Vapours | Fire or heat will produce irritating and/or toxic gases, including Nitrogen oxides, Phosphorus oxides, Ammonia. |
| Release of Invisible Flammable Vapours and Gases | No information available. |

10. STABILITY AND REACTIVITY

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|---|--|
| General Information | DAP is compatible in dry blends with most fertilisers. Compatibility with superphosphate is limited. This product is not recommended for use in the preparation of aqueous solutions (liquid fertilisers). |
| Chemical Stability | Stable under normal temperatures and pressures. |
| Conditions to Avoid | Avoid generating dust. Avoid exposure to moisture. Keep away from heat and sources of ignition. |
| Materials to Avoid | Incompatible with oxidising agents (e.g. hypochlorites) and acids (e.g. nitric acid). |
| Hazardous Decomposition Products | Decomposes on heating, emitting toxic gases, including Nitrogen oxides, Phosphorus oxides, Ammonia. |
| Hazardous Polymerisation | Polymerization is not expected to occur. |

11. TOXICOLOGICAL INFORMATION

| | |
|----------------------------|---|
| General Information | <p>Information on toxicological effects:</p> <ul style="list-style-type: none"> - Acute toxicity: Based on available data, the classification criteria are not met. - Skin corrosion/irritation: Not classified as causing skin irritation. - Serious eye damage/irritation: Not classified as causing eye irritation. - Respiratory/skin sensitisation: Not classified as causing skin or respiratory sensitisation. - Germ cell mutagenicity: Not classified as a mutagen. - Carcinogenicity: Not classified as a carcinogen. - Reproductive toxicity: Not classified as a reproductive toxin. - STOT (single exposure): Not classified as causing organ damage from single exposure. - STOT (repeated exposure): Not classified as causing organ damage from repeated exposure. - Aspiration toxicity: Not classified as causing aspiration. <p>Information on possible routes of exposure:</p> <ul style="list-style-type: none"> - Ingestion: Ingestion of large quantities may result in nausea, vomiting and gastrointestinal irritation, and potential disturbances in calcium metabolism. - Eye contact: Contact may result in mild irritation, lacrimation and redness. - Skin contact: Contact may result in mild irritation, rash and dermatitis. - Inhalation: Over exposure may result in irritation of the nose and throat, with coughing. <p>Chronic effects: No information available.</p> |
| Acute | |
| Ingestion | <p>Acute toxicity (Oral):</p> <ul style="list-style-type: none"> - LD50, Rat: >5,000 mg/kg <p>None</p> |

Carcinogen Category

12. ECOLOGICAL INFORMATION

| | |
|----------------------------------|--|
| Ecotoxicity | Diammonium phosphate contains nitrogen and phosphorus, both of which can stimulate weed and algal growth if lost to static surface waterways. Algae affect water quality and taste. Depending on the concentration and species, ammonium may be toxic to fish. In the soil, ammonium is converted to nitrate. Nitrate is susceptible to leaching and may contaminate groundwater. High nitrate concentrations may render water unsuitable for human and livestock consumption. |
| Persistence/Degradability | No information available. |
| Mobility | No information available. |
| Environmental Fate | Slightly hazardous for water. Do not allow undiluted product or large quantities to reach groundwater, watercourse or sewage system. |
| Bioaccumulation Potential | No information available. |
| Environmental Impact | No Data Available |

13. DISPOSAL CONSIDERATIONS

| | |
|--|---|
| General Information | Dispose of contents/container in accordance with local/regional/national regulations. |
| Special Precautions for Land Fill | Beneficial reuse is the preferred disposal option. For fertiliser that is physically degraded but not contaminated in any way, this may necessitate using different application equipment and methods to apply it. If the fertiliser is contaminated with other fertilisers, soil, or other non-harmful substances, and it can be satisfactorily applied, use it for its nutrient value in pasture, crops or on a recreational area, e.g. lawns and parks. If contaminated with other materials, e.g. fuel, oil or chemicals, the fertiliser waste must be disposed of in accordance with relevant local legislation. |

14. TRANSPORT INFORMATION

Land Transport (Australia)

ADG Code

| | |
|-----------------------------|--|
| Proper Shipping Name | Diammonium phosphate |
| Class | No Data Available |
| Subsidiary Risk(s) | No Data Available |
| UN Number | No Data Available |
| Hazchem | No Data Available |
| Pack Group | No Data Available |
| Special Provision | No Data Available |
| Comments | NON-DANGEROUS GOODS: Not regulated for LAND transport. |

Land Transport (Malaysia)

ADR Code

| | |
|-----------------------------|----------------------|
| Proper Shipping Name | Diammonium phosphate |
| Class | No Data Available |
| Subsidiary Risk(s) | No Data Available |

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|--------------------------|--|
| | No Data Available |
| UN Number | No Data Available |
| Hazchem | No Data Available |
| Pack Group | No Data Available |
| Special Provision | No Data Available |
| Comments | NON-DANGEROUS GOODS: Not regulated for LAND transport. |

Land Transport (New Zealand)

NZS5433

| | |
|-----------------------------|--|
| Proper Shipping Name | Diammonium phosphate |
| Class | No Data Available |
| Subsidiary Risk(s) | No Data Available |
| | No Data Available |
| UN Number | No Data Available |
| Hazchem | No Data Available |
| Pack Group | No Data Available |
| Special Provision | No Data Available |
| Comments | NON-DANGEROUS GOODS: Not regulated for LAND transport. |

Land Transport (United States of America)

US DOT

| | |
|-----------------------------|--|
| Proper Shipping Name | Diammonium phosphate |
| Class | No Data Available |
| Subsidiary Risk(s) | No Data Available |
| | No Data Available |
| UN Number | No Data Available |
| Hazchem | No Data Available |
| Pack Group | No Data Available |
| Special Provision | No Data Available |
| Comments | NON-DANGEROUS GOODS: Not regulated for LAND transport. |

Sea Transport

IMDG Code

| | |
|-----------------------------|---|
| Proper Shipping Name | Diammonium phosphate |
| Class | No Data Available |
| Subsidiary Risk(s) | No Data Available |
| UN Number | No Data Available |
| Hazchem | No Data Available |
| Pack Group | No Data Available |
| Special Provision | No Data Available |
| EMS | No Data Available |
| Marine Pollutant | No |
| Comments | NON-DANGEROUS GOODS: Not regulated for SEA transport. |

Air Transport

IATA DGR

| | |
|-----------------------------|----------------------|
| Proper Shipping Name | Diammonium phosphate |
| Class | No Data Available |

| | |
|---------------------------|---|
| Subsidiary Risk(s) | No Data Available |
| UN Number | No Data Available |
| Hazchem | No Data Available |
| Pack Group | No Data Available |
| Special Provision | No Data Available |
| Comments | NON-DANGEROUS GOODS: Not regulated for AIR transport. |

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) |
|---------------------------------------|---|

15. REGULATORY INFORMATION

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|--------------------------------|-------------------|
| 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 | Not Hazardous |
|----------------------|---------------|

National/Regional Inventories

| | |
|---|----------------|
| Australia (AIC) | Listed |
| Canada (DSL) | Listed |
| Canada (NDSL) | Not Listed |
| China (IECSC) | Listed |
| Europe (EINECS) | Listed |
| Europe (REACH) | Not Determined |
| Japan (ENCS/METI) | Listed |
| Korea (KECI) | Listed |
| Malaysia (List of Classified Substances) | Not Listed |
| New Zealand (NZIoC) | Listed |
| Philippines (PICCS) | Listed |
| Taiwan (TCSI) | Listed |
| USA (TSCA) | Listed |
| Mexico (INSQ) | Listed |

16. OTHER INFORMATION

Related Product Codes

DIAMAB1000, DIAMAB1001, DIAMAB2000, DIAMAG1000, DIAMAG1001, DIAMAG1002, DIAMAG1003, DIAMAG1004, DIAMAG1005, DIAMAG1006, DIAMAG1007, DIAMAG1008, DIAMAG1009, DIAMAG1010, DIAMAG1011, DIAMAG1012, DIAMAG1013, DIAMAG1014, DIAMAG1015, DIAMAG1016, DIAMAG1017, DIAMAG1018, DIAMAG1019, DIAMAG1020, DIAMAG1030, DIAMAG1033, DIAMAG1100, DIAMAG1500, DIAMAG2000, DIAMAG3000, DIAMAG3100, DIAMFO2400, DIAMMF1013, DIAMMF1015, DIAMMF1025, DIAMMF1045, DIAMMF1800, DIAMMF1900, DIAMMF2000, DIAMMF2100, DIAMMF2200, DIAMMF2201, DIAMMF2300, DIAMMF2401, DIAMMF2501, DIAMMF2510, DIAMMF2515, DIAMMF2516, DIAMMF2517, DIAMMF2518, DIAMMF2540, DIAMMF2650, DIAMMF2700, DIAMMF2715, DIAMMF2716, DIAMMF2717, DIAMMF2718, DIAMMF2730, DIAMMF2731, DIAMMF2732, DIAMMF2733, DIAMMF2734, DIAMMF2750, DIAMMF2800, DIAMMF2900, DIAMMF3000, DIAMMF3500, DIAMMF3508, DIAMMF3510, DIAMMF3514, DIAMMF3520, DIAMMF3524, DIAMMF3530, DIAMMF3534, DIAMMF3535, DIAMMF3544, DIAMMF9600, DIAMMF9603, DIAMMF9605, DIAMMF9610, DIAMMF9615, DIAMMF9625, DIAMMF9700, DIAMMO1000, DIAMMO1001, DIAMMO1002, DIAMMO1003, DIAMMO1004, DIAMMO1005, DIAMMO1006, DIAMMO1007, DIAMMO1008, DIAMMO1009, DIAMMO1010, DIAMMO1011, DIAMMO1012, DIAMMO1014, DIAMMO1015, DIAMMO1016, DIAMMO1017, DIAMMO1018, DIAMMO1019, DIAMMO1020, DIAMMO1021, DIAMMO1022, DIAMMO1100, DIAMMO1200, DIAMMO1210, DIAMMO1600, DIAMMO1700, DIAMMO1801, DIAMMO1802, DIAMMO1803, DIAMMO1804, DIAMMO1805, DIAMMO1806, DIAMMO1807, DIAMMO1808, DIAMMO1809, DIAMMO1810, DIAMMO1811, DIAMMO1812, DIAMMO1813, DIAMMO1814, DIAMMO1815, DIAMMO1816, DIAMMO1817, DIAMMO1818, DIAMMO1819, DIAMMO1820, DIAMMO1821, DIAMMO1822, DIAMMO1823, DIAMMO1824, DIAMMO1825, DIAMMO1826, DIAMMO1827, DIAMMO1828, DIAMMO1829, DIAMMO1830, DIAMMO1831, DIAMMO1832, DIAMMO1833, DIAMMO2001, DIAMMO2500, DIAMMO2502, DIAMMO2503, DIAMMO2600, DIAMMO2601, DIAMMO2800, DIAMMO2805, DIAMMO2806, DIAMMO2810, DIAMMO2850, DIAMMO3300, DIAMMO3305, DIAMMO3310, DIAMMO3311, DIAMMO3350, DIAMMO3400, DIAMMO3401, DIAMMO3410, DIAMMO3420, DIAMMO3450, DIAMMO3500, DIAMMO3501, DIAMMO3510, DIAMMO4000, DIAMMO4100, DIAMMO4101, DIAMMO4102, DIAMMO4103, DIAMMO4104, DIAMMO4105, DIAMMO4106, DIAMMO4107, DIAMMO4108, DIAMMO4109, DIAMMO4110, DIAMMO4111, DIAMMO4200, DIAMMO4300, DIAMMO4301, DIAMMO4302, DIAMMO4303, DIAMMO4500, DIAMMO5000, DIAMMO5100, DIAMMO5101, DIAMMO5105, DIAMMO5106, DIAMMO5150, DIAMMO5500, DIAMMO5501, DIAMMO5505, DIAMMO5506, DIAMMO5550, DIAMMO5570, DIAMMO6300, DIAMMO6400, DIAMMO6405, DIAMMO7000, DIAMMO7001, DIAMMO7100, DIAMMO7400, DIAMMO7500, DIAMMO7600, DIAMMO8100, DIAMMO9000, DIAMMO9100, DIAMMO9200, DIAMMO9300, DIAMMO9500, DIAMMO9501, DIAMMO9600, DIAMMO9601, DIAMMO9800

Revision

5

Revision Date

25 Nov 2022

Key/Legend

< Less Than

> Greater Than

AICS Australian Inventory of Chemical Substances**atm** Atmosphere**CAS** Chemical Abstracts Service (Registry Number)**cm²** Square Centimetres**CO₂** 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/cm³** 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**inH₂O** Inch of Water**K** Kelvin**kg** Kilogram**kg/m³** 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

m³ Cubic Metre

mbar Millibar

mg Milligram

mg/24H Milligrams per 24 Hours

mg/kg Milligrams per Kilogram

mg/m³ Milligrams per Cubic Metre

Misc or **Miscible** Liquids form one homogeneous liquid phase regardless of the amount of either component present.

mm Millimetre

mmH₂O 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