



# SAFETY DATA SHEET CALCIUM ACETATE REVISION 3, DATE 19 FEB 20

## 1. IDENTIFICATION

|                            |                                                                       |
|----------------------------|-----------------------------------------------------------------------|
| <b>Product Name</b>        | <b>Calcium Acetate</b>                                                |
| <b>Other Names</b>         | Acetic acid, calcium salt, monohydrate; Calcium acetate [CAS#62-54-4] |
| <b>Uses</b>                | Food/feed additive.                                                   |
| <b>Chemical Family</b>     | No Data Available                                                     |
| <b>Chemical Formula</b>    | C <sub>4</sub> H <sub>6</sub> CaO <sub>4</sub> .H <sub>2</sub> O      |
| <b>Chemical Name</b>       | Calcium acetate, monohydrate                                          |
| <b>Product Description</b> | No Data Available                                                     |

### Contact Details of the Supplier of this Safety Data Sheet

| Organisation            | Location                                                                                                                   | Telephone       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------|
| Redox Ltd               | 2 Swettenham Road<br>Minto NSW 2566<br>Australia                                                                           | +61-2-97333000  |
| Redox Ltd               | 11 Mayo Road<br>Wiri Auckland 2104<br>New Zealand                                                                          | +64-9-2506222   |
| Redox Inc.              | 3960 Paramount Boulevard<br>Suite 107<br>Lakewood CA 90712<br>USA                                                          | +1-424-675-3200 |
| Redox Chemicals Sdn Bhd | Level 2, No. 8, Jalan Sapir 33/7<br>Seksyen 33, Shah Alam Premier Industrial Park<br>40400 Shah Alam<br>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<br>131126                      |
| Chemcall                   | Australia    | 1800-127406<br>+64-4-9179888               |
| Chemcall                   | Malaysia     | +64-4-9179888                              |
| Chemcall                   | New Zealand  | 0800-243622<br>+64-4-9179888               |
| National Poisons Centre    | New Zealand  | 0800-764766                                |
| CHEMTREC                   | USA & Canada | 1-800-424-9300 CN723420<br>+1-703-527-3887 |

## 2. HAZARD IDENTIFICATION

**Poisons Schedule (Aust)**

Not Scheduled



## Globally Harmonised System

|                              |                                                                                                                              |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Hazard Classification</b> | NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) |
| <b>Signal Word</b>           | None                                                                                                                         |

## National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road &amp; 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) |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

## Ingredients

| Chemical Entity              | Formula      | CAS Number | Proportion |
|------------------------------|--------------|------------|------------|
| Calcium acetate, monohydrate | C4H6CaO4.H2O | 5743-26-0  | <=100 %    |

## 4. FIRST AID MEASURES

## Description of necessary measures according to routes of exposure

|                                                  |                                                                                                                                                                                                                                                                                                         |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Swallowed</b>                                 | IF SWALLOWED: Rinse mouth, then drink a glass of water. Do not induce vomiting. Get medical advice/attention if you feel unwell. Never give anything by mouth to an unconscious person.                                                                                                                 |
| <b>Eye</b>                                       | IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical advice/attention. |
| <b>Skin</b>                                      | IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. 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. If respiratory symptoms persist, get medical advice/attention. Apply resuscitation if victim is not breathing - Administer oxygen if breathing is difficult.                                           |
| <b>Advice to Doctor</b>                          | Treat symptomatically.                                                                                                                                                                                                                                                                                  |
| <b>Medical Conditions Aggravated by Exposure</b> | No information available.                                                                                                                                                                                                                                                                               |

## 5. FIRE FIGHTING MEASURES

|                                         |                                                                                                                                                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Measures</b>                 | If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out.                                      |
| <b>Flammability Conditions</b>          | Combustible; May burn but does not ignite readily.                                                                                                              |
| <b>Extinguishing Media</b>              | Use dry chemical, Carbon dioxide (CO2), foam or water spray for extinction.                                                                                     |
| <b>Fire and Explosion Hazard</b>        | Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. |
| <b>Hazardous Products of Combustion</b> | Fire may produce irritating, toxic and/or corrosive fumes, including Carbon oxides, Calcium oxides.                                                             |

|                                           |                                                                                                                                                    |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Special Fire Fighting Instructions</b> | Contain runoff from fire control or dilution water - Runoff may pollute waterways.                                                                 |
| <b>Personal Protective Equipment</b>      | Wear self-contained breathing apparatus (SCBA) and chemical splash suit. SCBA and structural firefighter's uniform may provide limited protection. |
| <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. ELIMINATE all ignition sources. Do not touch or walk through spilled material. Avoid generating dust. Avoid breathing dust and contact with eyes, skin and clothing. |
| <b>Clean Up Procedures</b>                  | Collect material (sweep up and shovel) into suitable containers for disposal (see SECTION 13).                                                                                                    |
| <b>Containment</b>                          | Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Prevent dust cloud.                                                                                          |
| <b>Decontamination</b>                      | No information available.                                                                                                                                                                         |
| <b>Environmental Precautionary Measures</b> | Prevent entry into drains and waterways.                                                                                                                                                          |
| <b>Evacuation Criteria</b>                  | Spill or leak area should be isolated immediately. Keep unauthorised personnel away.                                                                                                              |
| <b>Personal Precautionary Measures</b>      | Use personal protective equipment as required (see SECTION 8).                                                                                                                                    |

## 7. HANDLING AND STORAGE

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Handling</b>  | Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Minimise dust generation and accumulation. Avoid breathing dust and contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8). Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. |
| <b>Storage</b>   | Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep container tightly closed. Protect from moisture (hygroscopic). Keep away from heat and sources of ignition - No smoking. Keep away from incompatible materials (see SECTION 10).                                                                                                                                                                                                                                                                                                                                                           |
| <b>Container</b> | Keep in the original container.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General</b>                       | No specific exposure standards are available for this product. For dusts from solid substances without specific occupational exposure standards:<br>- Safe Work Australia Exposure Standard (Nuisance dusts): 8 hr TWA = 10 mg/m <sup>3</sup> (measured as inhalable dust).<br>- New Zealand WES (Particulates not otherwise classified): TWA = 10 mg/m <sup>3</sup> ; TWA = 3 mg/m <sup>3</sup> (respirable dust). |
| <b>Exposure Limits</b>               | No Data Available                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Biological Limits</b>             | No information available.                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Engineering Measures</b>          | A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.                                                                                                                              |
| <b>Personal Protection Equipment</b> | - Respiratory protection: In case of inadequate ventilation, wear respiratory protection. Recommended: Dust mask/particulate filter respirator (refer to AS/NZ 1715 & 1716).                                                                                                                                                                                                                                        |

- Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Safety glasses.
- Hand protection: Handle with gloves. Recommended: Impervious gloves.
- Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Overalls, safety shoes.

**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. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|                                                      |                                                                                                                                                                 |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Physical State                                       | Solid                                                                                                                                                           |
| Appearance                                           | Powder or granular                                                                                                                                              |
| Odour                                                | Slight                                                                                                                                                          |
| Colour                                               | White                                                                                                                                                           |
| pH                                                   | No Data Available                                                                                                                                               |
| Vapour Pressure                                      | No Data Available                                                                                                                                               |
| Relative Vapour Density                              | No Data Available                                                                                                                                               |
| Boiling Point                                        | No Data Available                                                                                                                                               |
| Melting Point                                        | No Data Available                                                                                                                                               |
| Freezing Point                                       | No Data Available                                                                                                                                               |
| Solubility                                           | Soluble in water                                                                                                                                                |
| Specific Gravity                                     | 1.52                                                                                                                                                            |
| 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                                                                                                                                               |
| 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                         | Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. |
| Fast or Intensely Burning Characteristics            | No information available.                                                                                                                                       |
| Flame Propagation or Burning Rate of Solid Materials | No information available.                                                                                                                                       |

|                                                                       |                                                                                                                   |
|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Non-Flammables That Could Contribute Unusual Hazards to a Fire</b> | No information available.                                                                                         |
| <b>Properties That May Initiate or Contribute to Fire Intensity</b>   | Combustible; May burn but does not ignite readily.                                                                |
| <b>Reactions That Release Gases or Vapours</b>                        | Fire/decomposition may produce irritating, toxic and/or corrosive fumes, including Carbon oxides, Calcium oxides. |
| <b>Release of Invisible Flammable Vapours and Gases</b>               | No information available.                                                                                         |

## 10. STABILITY AND REACTIVITY

|                                         |                                                                                                                   |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>General Information</b>              | No information available.                                                                                         |
| <b>Chemical Stability</b>               | Stable under normal conditions of use.                                                                            |
| <b>Conditions to Avoid</b>              | Avoid generating dust. Keep away from heat and sources of ignition.                                               |
| <b>Materials to Avoid</b>               | Incompatible/reactive with oxidising agents.                                                                      |
| <b>Hazardous Decomposition Products</b> | Fire/decomposition may produce irritating, toxic and/or corrosive fumes, including Carbon oxides, Calcium oxides. |
| <b>Hazardous Polymerisation</b>         | Hazardous polymerisation will not occur.                                                                          |

## 11. TOXICOLOGICAL INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Information</b> | Information on possible routes of exposure: <ul style="list-style-type: none"><li>- Ingestion: No adverse effects expected; large amounts may cause nausea and vomiting.</li><li>- Eye contact: May cause mechanical irritation.</li><li>- Skin contact: May cause mechanical irritation.</li><li>- Inhalation: Breathing in dust may cause respiratory tract irritation.</li></ul> Chronic effects: No information available. |
| <b>Acute</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Ingestion</b>           | Acute toxicity (Oral): <ul style="list-style-type: none"><li>- LD50, 4,280 mg/kg</li></ul>                                                                                                                                                                                                                                                                                                                                     |
| <b>Carcinogen Category</b> | None                                                                                                                                                                                                                                                                                                                                                                                                                           |

## 12. ECOLOGICAL INFORMATION

|                                  |                                           |
|----------------------------------|-------------------------------------------|
| <b>Ecotoxicity</b>               | No information available.                 |
| <b>Persistence/Degradability</b> | Calcium acetate is readily biodegradable. |
| <b>Mobility</b>                  | No information available.                 |
| <b>Environmental Fate</b>        | Prevent entry into drains and waterways.  |
| <b>Bioaccumulation Potential</b> | No information available.                 |
| <b>Environmental Impact</b>      | No Data Available                         |

## 13. DISPOSAL CONSIDERATIONS

**General Information**

Dispose of contents/container in accordance with local/regional/national regulations.

**Special Precautions for Land Fill**

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

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

ADG Code

|                             |                                                        |
|-----------------------------|--------------------------------------------------------|
| <b>Proper Shipping Name</b> | Calcium acetate, monohydrate                           |
| <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                                      |
| <b>Comments</b>             | NON-DANGEROUS GOODS: Not regulated for LAND transport. |

**Land Transport (Malaysia)**

ADR Code

|                             |                                                        |
|-----------------------------|--------------------------------------------------------|
| <b>Proper Shipping Name</b> | Calcium acetate, monohydrate                           |
| <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                                      |
| <b>Comments</b>             | NON-DANGEROUS GOODS: Not regulated for LAND transport. |

**Land Transport (New Zealand)**

NZS5433

|                             |                                                        |
|-----------------------------|--------------------------------------------------------|
| <b>Proper Shipping Name</b> | Calcium acetate, monohydrate                           |
| <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                                      |
| <b>Comments</b>             | NON-DANGEROUS GOODS: Not regulated for LAND transport. |

**Land Transport (United States of America)**

US DOT

|                             |                              |
|-----------------------------|------------------------------|
| <b>Proper Shipping Name</b> | Calcium acetate, monohydrate |
|-----------------------------|------------------------------|

|                    |                                                        |
|--------------------|--------------------------------------------------------|
| 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 | Calcium acetate, monohydrate                          |
| 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 | Calcium acetate, monohydrate                          |
| 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 &amp; 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**

|                         |                   |
|-------------------------|-------------------|
| 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 (AIIIC)                              | Listed         |
| Canada (DSL)                                   | Listed         |
| Canada (NDSL)                                  | Not Listed     |
| China (IECSC)                                  | Listed         |
| Europe (EINECS)                                | Not Determined |
| Europe (REACH)                                 | Not Determined |
| Japan (ENCS/METI)                              | Exempt         |
| Korea (KECI)                                   | KE-04463       |
| Malaysia (EHS Register)                        | Exempt         |
| New Zealand (NZIoC)                            | Listed         |
| Philippines (PICCS)                            | Not Determined |
| Switzerland (Giftliste 1)                      | Not Determined |
| Switzerland (Inventory of Notified Substances) | Not Determined |
| Taiwan (NCSR)                                  | Listed         |
| USA (TSCA)                                     | Listed         |

#### 16. OTHER INFORMATION

**Related Product Codes** CAACET1000, CAACET1001, CAACET1002, CAACET1003, CAACET1004, CAACET1005, CAACET1006, CAACET1100, CAACET2000, CAACET2001, CAACET2500, CAACET3000, CAACET3001, CAACET3100, CAACET3101, CAACET3200, CAACET3201, CAACET3300, CAACET3400, CAACET3500, CAACET3600, CAACET4000, CAACET4300, CAACET5000, CAACET5100, CAACET5300, CAACET6400, CAACET6500, CAACET6600, CAACET7200, CAACET7300, CAACET7360, CAACET7400, CAACET7500, CAACET7600, CAACET7700, CAACET7701, CAACET7710, CAACET7760

**Revision** 3

**Revision Date** 19 Feb 2020

**Key/Legend**

< Less Than

> Greater Than

**AICS** Australian Inventory of Chemical Substances

**atm** Atmosphere

**CAS** Chemical Abstracts Service (Registry Number)

**cm<sup>2</sup>** Square Centimetres

**CO<sub>2</sub>** Carbon Dioxide

**COD** Chemical Oxygen Demand

**deg C (°C)** Degrees Celcius

**EPA (New Zealand)** Environmental Protection Authority of New Zealand

**deg F (°F)** Degrees Fahrenheit

**g** Grams



**g/cm<sup>3</sup>** Grams per Cubic Centimetre

**g/l** Grams per Litre

**HSNO** Hazardous Substance and New Organism

**IDLH** Immediately Dangerous to Life and Health

**immiscible** Liquids are insoluble in each other.

**inHg** Inch of Mercury

**inH<sub>2</sub>O** Inch of Water

**K** Kelvin

**kg** Kilogram

**kg/m<sup>3</sup>** Kilograms per Cubic Metre

**lb** Pound

**LC<sub>50</sub>** LC stands for lethal concentration. LC<sub>50</sub> is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.

**LD<sub>50</sub>** LD stands for Lethal Dose. LD<sub>50</sub> is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.

**ltr** or **L** Litre

**m<sup>3</sup>** Cubic Metre

**mbar** Millibar

**mg** Milligram

**mg/24H** Milligrams per 24 Hours

**mg/kg** Milligrams per Kilogram

**mg/m<sup>3</sup>** Milligrams per Cubic Metre

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

**mm** Millimetre

**mmH<sub>2</sub>O** Millimetres of Water

**mPa.s** Millipascals per Second

**N/A** Not Applicable

**NIOSH** National Institute for Occupational Safety and Health

**NOHSC** National Occupational Health and Safety Commission

**OECD** Organisation for Economic Co-operation and Development

**Oz** Ounce

**PEL** Permissible Exposure Limit

**Pa** Pascal

**ppb** Parts per Billion

**ppm** Parts per Million

**ppm/2h** Parts per Million per 2 Hours

**ppm/6h** Parts per Million per 6 Hours

**psi** Pounds per Square Inch

**R** Rankine

**RCP** Reciprocal Calculation Procedure

**STEL** Short Term Exposure Limit

**TLV** Threshold Limit Value

**tne** Tonne

**TWA** Time Weighted Average

**ug/24H** Micrograms per 24 Hours

**UN** United Nations

**wt** Weight