

## 1. IDENTIFICATION

|                            |   |
|----------------------------|---|
| <b>Product Name</b>        | <b>Calcium carbonate</b>  |
| <b>Other Names</b>         | C.I. Pigment White 18; CALMIN - 2mm                             |
| <b>Uses</b>                | Neutralising agent; Filler; Food & pharmaceutical applications. |
| <b>Chemical Family</b>     | No Data Available   |
| <b>Chemical Formula</b>    | CaCO <sub>3</sub>   |
| <b>Chemical Name</b>       | Carbonic acid, calcium salt (1:1)                               |
| <b>Product Description</b> | Contains <1 % respirable crystalline silica.                    |

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

| Organisation            | Location   | Telephone       |
|-------------------------|--|-----------------|
| Redox Pty Ltd           | 2 Swettenham Road<br>Minto NSW 2566<br>Australia   | +61-2-97333000  |
| Redox Pty 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 & 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) |
|---------------------------------------|---|

**Environmental Protection Authority (New Zealand)**  
 Hazardous Substances and New Organisms Amendment Act 2015

|                             |                |             |   |
|-----------------------------|----------------|-------------|---|
| <b>HSNO Classifications</b> | Health Hazards | <b>6.4A</b> | Substances that are irritating to the eye |
|-----------------------------|----------------|-------------|---|

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

*Ingredients*

| Chemical Entity                       | Formula             | CAS Number | Proportion |
|---------------------------------------|---------------------|------------|------------|
| Calcium carbonate                     | CaCO3               | 471-34-1   | <=100 %    |
| Limestone (Natural calcium carbonate) | Alternative CAS No. | 1317-65-3  | <=100 %    |
| Crystalline silica (Quartz)           | SiO2                | 14808-60-7 | <1 %       |

### 4. FIRST AID MEASURES

*Description of necessary measures according to routes of exposure*

|  |   |
|--|---|
| <b>Swallowed</b>                                 | IF SWALLOWED: Rinse mouth, then drink plenty of water. Do not induce vomiting. If vomiting occurs, give further water to drink. Get medical advice/attention.   |
| <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 until recovered. 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> | (Chronic) exposure by inhalation may aggravate pre-existing upper respiratory and lung disorders such as bronchitis, emphysema and asthma.  |

### 5. FIRE FIGHTING MEASURES

|                                |   |
|--------------------------------|---|
| <b>General Measures</b>        | If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out.                |
| <b>Flammability Conditions</b> | Non-combustible; Material does not burn.  |
| <b>Extinguishing Media</b>     | Use dry chemical, Carbon dioxide, foam or water spray for extinction; Use extinguishing media appropriate to surrounding fire conditions. |

|   |  |
|---|--|
| <b>Fire and Explosion Hazard</b>          | Containers may explode when heated.  |
| <b>Hazardous Products of Combustion</b>   | Fire or heat will produce irritating and/or toxic fumes, including oxides of Carbon, oxides of Calcium.          |
| <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) in combination with normal firefighting clothing (full fire kit). |
| <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. 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 or vacuum) and place it into suitable, labelled containers for subsequent recycling or disposal (see SECTION 13); If appropriate, moisten first to prevent dusting. |
| <b>Containment</b>                          | Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Prevent dust cloud.   |
| <b>Decontamination</b>                      | Wash surfaces thoroughly with soap and water.  |
| <b>Environmental Precautionary Measures</b> | Prevent entry into drains and waterways.   |
| <b>Evacuation Criteria</b>                  | Spill or leak area should be isolated immediately. Evacuate all unprotected personnel. Keep unauthorised personnel away; Keep upwind.  |
| <b>Personal Precautionary Measures</b>      | Use personal protective equipment as required; In case of inadequate ventilation, wear respiratory protection (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. Avoid generating dust and prevent the build-up of dust in the work atmosphere. Avoid breathing dust and contact with eyes, skin and clothing. Use personal protective equipment as required; In case of inadequate ventilation, wear respiratory protection (see SECTION 8). |
| <b>Storage</b>   | Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep containers tightly closed. Protect from moisture. Keep away from incompatible materials (acids, strong oxidising agents, ammonium salts).  |
| <b>Container</b> | Store in suitable, labelled containers.   |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|                             |  |
|-----------------------------|--|
| <b>General</b>              | <p>COMPONENT: Calcium carbonate (CAS No. 471-34-1):</p> <ul style="list-style-type: none"> <li>- Safe Work Australia Exposure Standard: TWA = 10 mg/m<sup>3</sup>; This value is for inhalable dust containing no asbestos and &lt;1 % crystalline silica.</li> <li>- New Zealand WES: TWA = 10 mg/m<sup>3</sup>.</li> </ul> <p>COMPONENT: Crystalline silica/Quartz (respirable dust):</p> <ul style="list-style-type: none"> <li>- Safe Work Australia Exposure Standard: TWA = 0.1 mg/m<sup>3</sup>.</li> <li>- New Zealand WES: TWA = 0.1 mg/m<sup>3</sup>; The value for respirable dust (r); Confirmed carcinogen (6.7A).</li> </ul> |
| <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. Ensure ventilation is adequate to maintain air concentrations   |

below workplace exposure standards.

#### Personal Protection Equipment

Respiratory protection: In case of inadequate ventilation or if an inhalation risk exists, wear respiratory protection. Recommended: Dust mask/respirator meeting the requirements of AS/NZS 1715 - Selection, use and maintenance of respiratory protective devices, and AS/NZS 1716 - Respiratory protective devices.  
Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Safety glasses with side shields or chemical goggles. Eye protection devices should conform with AS/NZS 1337 - Eye Protectors for Industrial Applications.  
Hand protection: Handle with gloves. Recommended: Impervious gloves. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.  
Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrists; Chemical-resistant apron when large quantities are handled.

#### Special Hazards Precautions

No information available.

#### Work Hygienic Practices

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                     | Powder                    |
| Odour                          | Odourless                 |
| Colour                         | Off-white                 |
| pH                             | 9.5 20 % slurry           |
| 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                     | Insoluble in water        |
| Specific Gravity               | 2.72                      |
| 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   | No information available. |

|   |   |
|---|---|
| <b>Fast or Intensely Burning Characteristics</b>                      | No information available.   |
| <b>Flame Propagation or Burning Rate of Solid Materials</b>           | No information available.   |
| <b>Non-Flammables That Could Contribute Unusual Hazards to a Fire</b> | No information available.   |
| <b>Properties That May Initiate or Contribute to Fire Intensity</b>   | Non-combustible; Material does not burn.  |
| <b>Reactions That Release Gases or Vapours</b>                        | Fire or heat will produce irritating and/or toxic fumes, including oxides of Carbon, oxides of Calcium. |
| <b>Release of Invisible Flammable Vapours and Gases</b>               | No information available.   |

## 10. STABILITY AND REACTIVITY

|   |   |
|---|---|
| <b>General Information</b>              | Reacts with acids liberating Carbon dioxide.  |
| <b>Chemical Stability</b>               | Stable under normal conditions of storage and handling.   |
| <b>Conditions to Avoid</b>              | Avoid dust generation/accumulation. Protect from moisture and extremes of temperature.                  |
| <b>Materials to Avoid</b>               | Incompatible/reactive with acids, strong oxidising agents, ammonium salts.                              |
| <b>Hazardous Decomposition Products</b> | Fire or heat will produce irritating and/or toxic fumes, including oxides of Carbon, oxides of Calcium. |
| <b>Hazardous Polymerisation</b>         | Will not occur.   |

## 11. TOXICOLOGICAL INFORMATION

|                            |  |
|----------------------------|--|
| <b>General Information</b> | <p>Information on possible routes of exposure:</p> <ul style="list-style-type: none"> <li>- Ingestion: Ingestion of this product may irritate the gastrointestinal tract causing nausea and vomiting.</li> <li>- Eye contact: May cause (physical) eye irritation, redness, itching and tearing.</li> <li>- Skin contact: May cause skin irritation, redness, itching and swelling. Repeated or prolonged contact may cause skin dryness and cracking and may lead to dermatitis.</li> <li>- Inhalation: Inhalation of dusts may irritate the respiratory system. (Chronic) exposure by inhalation may aggravate pre-existing upper respiratory and lung disorders such as bronchitis, emphysema and asthma. Repeated exposure to respirable crystalline silica may lead to silicosis or other serious delayed lung injury. COMPONENT: Silica dust, crystalline, in the form of quartz... (CAS No. 14808-60-7) is classified by the IARC Monographs as carcinogenic to humans (Group 1). Product contains &lt;1% respirable crystalline silica.</li> </ul> |
| <b>Carcinogen Category</b> | None   |

## 12. ECOLOGICAL INFORMATION

|                                  |  |
|----------------------------------|--|
| <b>Ecotoxicity</b>               | No information available.                |
| <b>Persistence/Degradability</b> | No information available.                |
| <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

|  |  |
|--|--|
| <b>General Information</b>               | Dispose of spilled or waste material in accordance with local/regional/national regulations. In the supplied state, this product may be disposed of as non-hazardous, light industrial waste; However, after installation and use, depending on the process, contamination may occur - Refer to waste management authority for advice.                     |
| <b>Special Precautions for Land Fill</b> | During removal, consideration should be given to the potential formation of increased crystalline silica, including respirable quartz, as may have occurred during use at elevated temperatures. Exposure to respirable dust should be minimised by appropriate engineering controls and PPE. Loose material should be contained to prevent airborne dust. |

14. TRANSPORT INFORMATION

Land Transport (Australia)

ADG Code

|                             |                   |
|-----------------------------|-------------------|
| <b>Proper Shipping Name</b> | CALCIUM CARBONATE |
| <b>Class</b>                | No Data Available |
| <b>Subsidiary Risk(s)</b>   | No Data Available |
|                             | No Data Available |
| <b>UN Number</b>            | No Data Available |
| <b>Hazchem</b>              | No Data Available |
| <b>Pack Group</b>           | No Data Available |
| <b>Special Provision</b>    | No Data Available |

Land Transport (Malaysia)

ADR Code

|                             |                   |
|-----------------------------|-------------------|
| <b>Proper Shipping Name</b> | CALCIUM CARBONATE |
| <b>Class</b>                | No Data Available |
| <b>Subsidiary Risk(s)</b>   | No Data Available |
|                             | No Data Available |
| <b>UN Number</b>            | No Data Available |
| <b>Hazchem</b>              | No Data Available |
| <b>Pack Group</b>           | No Data Available |
| <b>Special Provision</b>    | No Data Available |

Land Transport (New Zealand)

NZS5433

|                             |                   |
|-----------------------------|-------------------|
| <b>Proper Shipping Name</b> | CALCIUM CARBONATE |
| <b>Class</b>                | No Data Available |
| <b>Subsidiary Risk(s)</b>   | No Data Available |
|                             | No Data Available |
| <b>UN Number</b>            | No Data Available |
| <b>Hazchem</b>              | No Data Available |
| <b>Pack Group</b>           | No Data Available |
| <b>Special Provision</b>    | No Data Available |

Land Transport (United States of America)

US DOT

|                             |                   |
|-----------------------------|-------------------|
| <b>Proper Shipping Name</b> | CALCIUM CARBONATE |
| <b>Class</b>                | No Data Available |
| <b>Subsidiary Risk(s)</b>   | No Data Available |

|                          |                   |
|--------------------------|-------------------|
|                          | No Data Available |
| <b>UN Number</b>         | No Data Available |
| <b>Hazchem</b>           | No Data Available |
| <b>Pack Group</b>        | No Data Available |
| <b>Special Provision</b> | No Data Available |

#### Sea Transport

IMDG Code

|                             |                   |
|-----------------------------|-------------------|
| <b>Proper Shipping Name</b> | CALCIUM CARBONATE |
| <b>Class</b>                | No Data Available |
| <b>Subsidiary Risk(s)</b>   | No Data Available |
| <b>UN Number</b>            | No Data Available |
| <b>Hazchem</b>              | No Data Available |
| <b>Pack Group</b>           | No Data Available |
| <b>Special Provision</b>    | No Data Available |
| <b>EMS</b>                  | No Data Available |
| <b>Marine Pollutant</b>     | No                |

#### Air Transport

IATA DGR

|                             |                   |
|-----------------------------|-------------------|
| <b>Proper Shipping Name</b> | CALCIUM CARBONATE |
| <b>Class</b>                | No Data Available |
| <b>Subsidiary Risk(s)</b>   | No Data Available |
| <b>UN Number</b>            | No Data Available |
| <b>Hazchem</b>              | No Data Available |
| <b>Pack Group</b>           | No Data Available |
| <b>Special Provision</b>    | No Data Available |

#### National Transport Commission (Australia)

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

|                                       |   |
|---------------------------------------|---|
| <b>Dangerous Goods Classification</b> | NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code) |
|---------------------------------------|---|

### 15. REGULATORY INFORMATION

|                                |                   |
|--------------------------------|-------------------|
| <b>General Information</b>     | No Data Available |
| <b>Poisons Schedule (Aust)</b> | Not Scheduled     |

#### Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

|                      |           |
|----------------------|-----------|
| <b>Approval Code</b> | HSR006678 |
|----------------------|-----------|

#### National/Regional Inventories

|                         |        |
|-------------------------|--------|
| <b>Australia (AICS)</b> | Listed |
|-------------------------|--------|

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

## 16. OTHER INFORMATION

### Related Product Codes

CACARB0100, CACARB0200, CACARB0300, CACARB0301, CACARB0400, CACARB0500, CACARB0600, CACARB0700, CACARB0800, CACARB0900, CACARB1000, CACARB1001, CACARB1002, CACARB1003, CACARB1004, CACARB1005, CACARB1006, CACARB1007, CACARB1008, CACARB1009, CACARB1010, CACARB1011, CACARB1012, CACARB1013, CACARB1100, CACARB1200, CACARB1300, CACARB1400, CACARB1500, CACARB1600, CACARB1700, CACARB1800, CACARB1900, CACARB2000, CACARB2001, CACARB2100, CACARB2200, CACARB2300, CACARB2400, CACARB2500, CACARB2600, CACARB2700, CACARB2800, CACARB3000, CACARB3200, CACARB3201, CACARB3202, CACARB3500, CACARB4000, CACARB4300, CACARB4400, CACARB4600, CACARB4800, CACARB5000, CACARB5001, CACARB5500, CACARB6000, CACARB6500, CACARB7000, CACARB7500, CACARB7600, CACARB8000, CACARB8500, CACARB9000, CACARB9001, CACARB9200, CACARS1000, CALCAB1000, CACARF1000, CACARF1001, CACARF1002, CACARF1003, CACARF1004, CACARF1100, CACARF1101, CACARF1200, CACARF1300, CACARF1500, CACARF2000, CACARF2100, CACARF2200, CACARF2300, CACARF3000, CACARF3500, CACARF4000, CACARF5000, CACARF6000, CACARF7000, CACARF7300, CACARF7500, CACARF7700, CACARF8000, CACARB2401, CACARB2410, CACARF1800, CACARF1801, CACARF1015, CACARB2402, CACARB2403, CACARF7002, CACARF7502, CACARF7702, CACARB0310, CACARB2900, CACARB2902, CACARB2910, CACARB2912, CACARF7710, CACARB2930, CACARB9500, CACARB2940, CACARB2941, CACARB2950, CACARB2951, CACARB2960, CACARB2961, CACARB2901, CACARB2931, RAWMAT1300, CACARB2942, CACARB2970, CACARB2990, CACARB2965, CACARB0130, CACARB0132, CACARB0320, CACARB0312, CACARF3100, CACARB1601, CACARB1014, CACARB1015, CACARB7100, CACARB0302, CACARB1016, CACARB1017, CACARB1020, CACARF7530, CACARB0305, CACARF7540, CACARF7740, CACARF7741, CACARB4100, CACARB4200, CACARB4105, CACARF1005, CACARB6900, CACARB4150, CACARB4160, CACARB4220, CACARB4230

### Revision

3

### Revision Date

11 Feb 2015

### 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/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 insoluble in each other.  
**inHg** Inch of Mercury  
**inH<sub>2</sub>O** 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  
**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