

## 1. IDENTIFICATION

<b>Product Name</b>	<b>Lead Nitrate Solution (&gt;10-&lt;30%)</b>
<b>Other Names</b>	Lead Nitrate 24% w/w Solution
<b>Uses</b>	Flotation agent in mining and metal extraction; Manufacturing other chemicals. Restriction on use: No information available.
<b>Chemical Family</b>	No Data Available
<b>Chemical Formula</b>	HNO <sub>3</sub> .1/2Pb
<b>Chemical Name</b>	Lead nitrate, aqueous solution
<b>Product Description</b>	No Data Available

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

<b>Organisation</b>	<b>Location</b>	<b>Telephone</b>
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.*

<b>Organisation</b>	<b>Location</b>	<b>Telephone</b>
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)

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## Globally Harmonised System

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

**Hazard Categories**

- Acute Toxicity (Oral) - Category 4
- Acute Toxicity (Inhalation) - Category 5
- Serious Eye Damage/Irritation - Category 1
- Germ Cell Mutagenicity - Category 2
- Carcinogenicity - Category 2
- Toxic To Reproduction - Category 1A
- Specific Target Organ Toxicity (Repeated Exposure) - Category 2
- Acute Hazard To The Aquatic Environment - Category 2
- Long-term Hazard To The Aquatic Environment - Category 2

**Pictograms**

**Signal Word** Danger

<b>Hazard Statements</b>	<b>H302</b>	Harmful if swallowed.
	<b>H333</b>	May be harmful if inhaled.
	<b>H318</b>	Causes serious eye damage.
	<b>H341</b>	Suspected of causing genetic defects.
	<b>H351</b>	Suspected of causing cancer.
	<b>H360FD</b>	May damage the unborn child. Suspected of damaging fertility.
	<b>H373</b>	May cause damage to organs through prolonged or repeated exposure.
	<b>H411</b>	Toxic to aquatic life with long lasting effects.

<b>Precautionary Statements</b>	Prevention	<b>P201</b>	Obtain special instructions before use.
		<b>P260</b>	Do not breathe mist/vapour/spray.
		<b>P273</b>	Avoid release to the environment.
		<b>P270</b>	Do not eat, drink or smoke when using this product.
		<b>P280</b>	Wear protective gloves/protective clothing/eye protection/face protection.
	Response	<b>P305 + P351 + P338 + P310</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE/doctor.
		<b>P308 + P313</b>	IF exposed or concerned: Get medical advice/ attention.
		<b>P391</b>	Collect spillage.
		<b>P301 + P312</b>	IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
		<b>P330</b>	Rinse mouth.
	Storage	<b>P405</b>	Store locked up.
	Disposal	<b>P501</b>	Dispose of contents/container in accordance with local / regional / national / international regulations.

**National Transport Commission (Australia)**

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

# SAFETY DATA SHEET LEAD NITRATE SOLUTION (>10-<30%) REVISION 4, DATE 21 OCT 2022

## Dangerous Goods Classification

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

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
Lead nitrate	HNO <sub>3</sub> .1/2Pb	10099-74-8	>10 - <30 %
Water	H <sub>2</sub> O	7732-18-5	Balance %

## 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. Call a Poison Centre or doctor/physician for advice. Never give anything by mouth to an unconscious person.

#### Eye

IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a Poison Centre or doctor/physician for advice.  
\*Suitable emergency eye wash facility should be immediately available.

#### Skin

IF ON SKIN (or hair): Remove contaminated clothing and shoes immediately. Wash skin and hair with plenty of soap and running water for at least 15 minutes. For minor skin contact, avoid spreading material on unaffected skin. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing and shoes before reuse.  
\*Suitable emergency safety shower facility should be immediately available.

#### Inhaled

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a Poison Centre or doctor/physician for advice. Apply resuscitation if victim is not breathing - Do not use direct mouth-to-mouth method if victim ingested or inhaled the substance; use alternative respiratory method or proper respiratory device - Administer oxygen if breathing is difficult.

#### Advice to Doctor

If exposed or concerned, get medical advice/attention. Symptoms of poisoning may occur after several hours; therefore medical observation for at least 48 hours after the accident is recommended. Keep victim calm and warm - Obtain immediate medical care. Ensure that attending medical personnel are aware of identity and nature of the product(s) involved, and take precautions to protect themselves.

\* Most important symptoms and effects, both acute and delayed: Irritation/Corrosion. May cause redness and tearing of the eyes.

\* Indication of any immediate medical attention and special treatment needed: Treat symptomatically. Can cause corneal burns.

**Medical Conditions Aggravated by Exposure** No information available.

## 5. FIRE FIGHTING MEASURES

### General Measures

If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out.

### Flammability Conditions

Solution is not combustible. If subjected to heating in a fire the Lead Nitrate may start to crystallise from the solution as

	the water evaporates. This crystalline material could act as an oxidising agent and assist combustion of other materials.
<b>Extinguishing Media</b>	If material is involved in a fire, use dry chemical, Carbon dioxide (CO <sub>2</sub> ), foam or water spray for extinction.
<b>Fire and Explosion Hazard</b>	Material crystallised out of the solution by heat could assist combustion in a fire, especially in contact with incompatible materials such as strong reducing agents and finely powered metals.
<b>Hazardous Products of Combustion</b>	Fire or heat will produce irritating, toxic and/or corrosive gases, including lead fumes, nitrogen 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. Fully-encapsulating, gas-tight suits should be worn for maximum protection. Structural firefighter's uniform is NOT effective for this material.
<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>	2X

## 6. ACCIDENTAL RELEASE MEASURES

<b>General Response Procedure</b>	Ensure adequate ventilation - Ventilate enclosed spaces before entering. Avoid exposure to heat and sources of ignition. Do not touch or walk through spilled material. Do not breathe vapours and avoid contact with eyes, skin and clothing.
<b>Clean Up Procedures</b>	Absorb with earth, sand or other non-combustible material and transfer to a suitable container for disposal (see SECTION 13).
<b>Containment</b>	Stop leak if safe to do so - Prevent entry into waterways, drains or confined areas. Cover with plastic sheet to prevent spreading.
<b>Decontamination</b>	No information available.
<b>Environmental Precautionary Measures</b>	Spillages and decontamination runoff should be prevented from entering drains and watercourses. If contamination of sewers or waterways has occurred, advise local emergency services.
<b>Evacuation Criteria</b>	Spill or leak area should be isolated immediately. Keep unauthorised personnel away. Keep upwind and to higher ground. Large spill: Immediately contact Police or Fire Brigade; Consider initial downwind evacuation of areas within at least 250 m.
<b>Personal Precautionary Measures</b>	Do not touch damaged containers or spilled material unless wearing appropriate protective clothing (see SECTION 8). Large spill: Wear SCBA and chemical splash suit.

## 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. Obtain special instructions before use - Do not handle until all safety precautions have been read and understood. Do not breathe mist/vapours/spray and prevent contact with eyes, skin and clothing. Do not ingest. Wear protective gloves/protective clothing/eye protection/face protection (see SECTION 8). Avoid exposure to heat and sources of ignition - No smoking. Avoid contamination. Avoid release to the environment - Collect spillage (see SECTION 6).
<b>Storage</b>	Store in a cool, dry and well-ventilate place, out of direct sunlight. Keep container tightly closed when not in use. Avoid exposure to heat and sources of ignition - No smoking. Keep away from foodstuffs and incompatible materials (see SECTION 10). Keep out of the reach of children. Store locked up.
<b>Container</b>	Keep in the original container.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>General</b>	No value assigned for this specific material by Safe Work Australia.
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## SAFETY DATA SHEET LEAD NITRATE SOLUTION (>10-<30%) REVISION 4, DATE 21 OCT 2022

For COMPONENT: Lead nitrate (CAS No. 10099-74-8):

- Safe Work Australia Exposure Standard for Lead, inorganic dusts & fumes (as Pb): TWA = 0.05 mg/m<sup>3</sup>.

<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>	<ul style="list-style-type: none"><li>- Respiratory protection: Wear respiratory protection in case of inadequate ventilation or if an inhalation risk exists. Recommended: Suitable particulate/mist respirator (refer to AS/NZS 1715 &amp; 1716).</li><li>- Eye/face protection: Wear appropriate eye protection to prevent eye contact. Recommended: Tight sealing safety goggles.</li><li>- Hand protection: Wear protective gloves. Recommended: Suitable, impervious gloves.</li><li>- Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Overalls, safety shoes/boots.</li></ul>
<b>Special Hazards Precautions</b>	No information available.
<b>Work Hygienic Practices</b>	Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Take off contaminated clothing and wash before storage or reuse.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid
<b>Appearance</b>	Clear liquid
<b>Odour</b>	Odourless
<b>Colour</b>	Colourless - yellow
<b>pH</b>	No Data Available
<b>Vapour Pressure</b>	No Data Available
<b>Relative Vapour Density</b>	No Data Available
<b>Boiling Point</b>	No Data Available
<b>Melting Point</b>	No Data Available
<b>Freezing Point</b>	No Data Available
<b>Solubility</b>	Miscible with water
<b>Specific Gravity</b>	1.24 - 1.26
<b>Flash Point</b>	No Data Available
<b>Auto Ignition Temp</b>	No Data Available
<b>Evaporation Rate</b>	No Data Available
<b>Bulk Density</b>	No Data Available
<b>Corrosion Rate</b>	No Data Available
<b>Decomposition Temperature</b>	No Data Available
<b>Density</b>	No Data Available
<b>Specific Heat</b>	No Data Available
<b>Molecular Weight</b>	No Data Available
<b>Net Propellant Weight</b>	No Data Available
<b>Octanol Water Coefficient</b>	No Data Available
<b>Particle Size</b>	No Data Available
<b>Partition Coefficient</b>	No Data Available
<b>Saturated Vapour Concentration</b>	No Data Available
<b>Vapour Temperature</b>	No Data Available
<b>Viscosity</b>	No Data Available

<b>Volatile Percent</b>	No Data Available
<b>VOC Volume</b>	No Data Available
<b>Additional Characteristics</b>	No information available.
<b>Potential for Dust Explosion</b>	Not applicable.
<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>	Material crystallised out of the solution by heat could assist combustion in a fire, especially in contact with incompatible materials such as strong reducing agents and finely powered metals.
<b>Properties That May Initiate or Contribute to Fire Intensity</b>	Solution is not combustible. If subjected to heating in a fire the Lead Nitrate may start to crystallise from the solution as the water evaporates. This crystalline material could act as an oxidising agent and assist combustion of other materials.
<b>Reactions That Release Gases or Vapours</b>	Fire/decomposition may produce lead fumes, nitrogen 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.
<b>Conditions to Avoid</b>	Avoid exposure to heat.
<b>Materials to Avoid</b>	Incompatible/reactive with amines, reducing agents, aluminium, tin, zinc.
<b>Hazardous Decomposition Products</b>	Decomposition may produce lead fumes, nitrogen oxides.
<b>Hazardous Polymerisation</b>	Will not occur.

## 11. TOXICOLOGICAL INFORMATION

<b>General Information</b>	<ul style="list-style-type: none"> <li>- Acute toxicity: Harmful if swallowed. May be harmful if inhaled. Exposure can cause encephalopathy, symptoms of which include hyper-irritability, ataxia, convulsions, stupor and coma; and gastrointestinal effects such as colic, symptoms of which include abdominal pain, constipation, cramps, nausea, vomiting, anorexia and weight loss.</li> <li>- Skin corrosion/irritation: In general, lead compounds are not considered irritating to the skin.</li> <li>- Eye damage/irritation: Severe eye irritant; Causes serious eye damage.</li> <li>- Respiratory/skin sensitisation: No reports of skin or respiratory sensitisation to lead in humans.</li> <li>- Germ cell mutagenicity: Suspected of causing genetic defects. In general, lead compounds are considered genotoxic to mammalian cells.</li> <li>- Carcinogenicity: Suspected of causing cancer. Lead compounds, inorganic are classified in Group 2A of the IARC Monographs: Probably carcinogenic to humans.</li> <li>- Reproductive toxicity: May damage the unborn child. Suspected of damaging fertility. Moderately high PbB levels in humans could result in spontaneous abortion, pre-term delivery, alterations in sperm and decreased male fertility; PbB levels in humans &gt;10 µg/dL can affect paediatric intellectual development.</li> <li>- STOT (single exposure): No information available.</li> <li>- STOT (repeated exposure): May cause damage to organs through prolonged or repeated exposure. Lead has multiple modes of action in biological systems; as a result, any system or organ in the body can potentially be affected by lead exposure, including neurological effects, haematological effects, cardiovascular effects, renal effects. Lead has been shown to accumulate in bone.</li> <li>- Aspiration toxicity: No information available.</li> </ul> <p>Information on likely routes of exposure:</p> <ul style="list-style-type: none"> <li>- Ingestion: May cause GI discomfort.</li> </ul>
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- Eye contact: Causes serious eye irritation.

- Skin contact: Causes skin irritation.

- Inhalation: Harmful if inhaled.

Chronic effects: Lead is a cumulative poison. Absorption of lead over a prolonged period of time (by any route) can produce adverse effects on the blood, central and peripheral nervous systems and reproductive systems, and renal injury. Long term exposure to low concentrations of lead (by any route) may result in blood effects, anaemia, central and peripheral nervous system damage, gastrointestinal disturbances, renal injury, foetotoxicity, developmental deficiencies in neonates and children, and testicular damage including decreased sperm count.

#### Carcinogen Category

Cat. 2

## 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>	Toxic to aquatic life with long lasting effects - Avoid release to the environment.
<b>Bioaccumulation Potential</b>	No information available.
<b>Environmental Impact</b>	No Data Available

## 13. DISPOSAL CONSIDERATIONS

<b>General Information</b>	Dispose of contents/container in accordance with local/regional/national regulations.
<b>Special Precautions for Land Fill</b>	No information available.

## 14. TRANSPORT INFORMATION

### Land Transport (Australia)

ADG Code

<b>Proper Shipping Name</b>	TOXIC LIQUID, INORGANIC, N.O.S. (Lead nitrate solution)
<b>Class</b>	6.1 Toxic and Infectious Substances - Toxic Substances
<b>Subsidiary Risk(s)</b>	No Data Available
<b>EPG</b>	34 Toxic Substances
<b>UN Number</b>	3287
<b>Hazchem</b>	2X
<b>Pack Group</b>	III
<b>Special Provision</b>	No Data Available

### Land Transport (Malaysia)

ADR Code

<b>Proper Shipping Name</b>	TOXIC LIQUID, INORGANIC, N.O.S. (Lead nitrate solution)
<b>Class</b>	6.1 Toxic and Infectious Substances - Toxic Substances
<b>Subsidiary Risk(s)</b>	No Data Available
<b>EPG</b>	34 Toxic Substances

**SAFETY DATA SHEET LEAD NITRATE SOLUTION (>10-<30%) REVISION 4, DATE 21 OCT 2022**

<b>UN Number</b>	3287
<b>Hazchem</b>	2X
<b>Pack Group</b>	III
<b>Special Provision</b>	No Data Available

**Land Transport (New Zealand)**

NZS5433

<b>Proper Shipping Name</b>	TOXIC LIQUID, INORGANIC, N.O.S. (Lead nitrate solution)
<b>Class</b>	6.1 Toxic and Infectious Substances - Toxic Substances
<b>Subsidiary Risk(s)</b>	No Data Available
<b>EPG</b>	34 Toxic Substances
<b>UN Number</b>	3287
<b>Hazchem</b>	2X
<b>Pack Group</b>	III
<b>Special Provision</b>	No Data Available

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

US DOT

<b>Proper Shipping Name</b>	TOXIC LIQUID, INORGANIC, N.O.S. (Lead nitrate solution)
<b>Class</b>	6.1 Toxic and Infectious Substances - Toxic Substances
<b>Subsidiary Risk(s)</b>	No Data Available
<b>ERG</b>	151 Substances - Toxic (Non-Combustible)
<b>UN Number</b>	3287
<b>Hazchem</b>	2X
<b>Pack Group</b>	III
<b>Special Provision</b>	No Data Available

**Sea Transport**

IMDG Code

<b>Proper Shipping Name</b>	TOXIC LIQUID, INORGANIC, N.O.S. (Lead nitrate solution)
<b>Class</b>	6.1 Toxic and Infectious Substances - Toxic Substances
<b>Subsidiary Risk(s)</b>	No Data Available
<b>UN Number</b>	3287
<b>Hazchem</b>	2X
<b>Pack Group</b>	III
<b>Special Provision</b>	No Data Available
<b>EMS</b>	F-A, S-A
<b>Marine Pollutant</b>	Yes

**Air Transport**

IATA DGR

<b>Proper Shipping Name</b>	TOXIC LIQUID, INORGANIC, N.O.S. (Lead nitrate solution)
<b>Class</b>	6.1 Toxic and Infectious Substances - Toxic Substances
<b>Subsidiary Risk(s)</b>	No Data Available
<b>UN Number</b>	3287
<b>Hazchem</b>	2X
<b>Pack Group</b>	III
<b>Special Provision</b>	No Data Available



**National Transport Commission (Australia)**

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

**Dangerous Goods Classification**

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

**15. REGULATORY INFORMATION****General Information**

No Data Available

**Poisons Schedule (Aust)**

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**Environmental Protection Authority (New Zealand)**

Hazardous Substances and New Organisms Amendment Act 2015

**Approval Code**

Not Assessed

**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**

LENISO2200, LENISO2400, LENISO2401, LENISO2410

**Revision**

4

# SAFETY DATA SHEET LEAD NITRATE SOLUTION (>10-<30%) REVISION 4, DATE 21 OCT 2022

## Revision Date

21 Oct 2022

## 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 Farenheit

**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 insoluable 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 Heath 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