

## 1. IDENTIFICATION

<b>Product Name</b>	<b>CMIT/MIT 14%</b>
<b>Other Names</b>	No Data Available
<b>Uses</b>	Industrial water treatment; Pulp and paper mills.
<b>Chemical Family</b>	No Data Available
<b>Chemical Formula</b>	Unspecified
<b>Chemical Name</b>	Contains: 5-Chloro-2-methyl-3-isothiazolone; 2-Methyl-3-isothiazolone
<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 (Dermal) - Category 4  
 Acute Toxicity (Inhalation) - Category 4  
 Skin Corrosion/Irritation - Category 1B  
 Serious Eye Damage/Irritation - Category 1  
 Sensitisation (Skin) - Category 1  
 Acute Hazard To The Aquatic Environment - Category 1  
 Long-term Hazard To The Aquatic Environment - Category 1

**Pictograms****Signal Word**

Danger

**Hazard Statements**

**H302 + H312 + H332** Harmful if swallowed, in contact with skin or if inhaled.  
**H314** Causes severe skin burns and eye damage.  
**H317** May cause an allergic skin reaction.  
**H410** Very toxic to aquatic life with long lasting effects.

**Precautionary Statements**

Prevention

**P260** Do not breathe mist/vapour/spray.  
**P280** Wear protective gloves/protective clothing/eye protection/face protection.  
**P273** Avoid release to the environment.  
**P270** Do not eat, drink or smoke when using this product.  
**P272** Contaminated work clothing should not be allowed out of the workplace.

Response

**P303 + P361 + P353** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
**P310** Immediately call a POISON CENTER or doctor.  
**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**P301 + P330 + P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
**P363** Wash contaminated clothing before reuse.  
**P391** Collect spillage.  
**P304 + P340** IF INHALED: Remove victim to fresh air and keep comfortable for breathing.

Storage

**P405** Store locked up.

Disposal

**P501** 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 &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 & Rail (ADG Code)

**3. COMPOSITION/INFORMATION ON INGREDIENTS***Ingredients*

Chemical Entity	Formula	CAS Number	Proportion
Magnesium nitrate	Mg(NO <sub>3</sub> ) <sub>2</sub>	10377-60-3	18 - 24 %
5-Chloro-2-methyl-3-isothiazolone (CMIT)	C <sub>4</sub> H <sub>4</sub> ClNOS	26172-55-4	10 - 12 %
Magnesium chloride	MgCl <sub>2</sub>	7786-30-3	4 - 7 %
2-Methyl-3-isothiazolone (MIT)	C <sub>4</sub> H <sub>5</sub> NOS	2682-20-4	3 - 5 %
Water	H <sub>2</sub> O	7732-18-5	Balance %

**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. Immediately call a Poison Centre or doctor/physician for advice. 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. Immediately call a Poison Centre or doctor/physician for advice.
<b>Skin</b>	IF ON SKIN (or hair): Remove and isolate contaminated clothing and shoes. Immediately wash skin and hair with soap and running water for at least 15 minutes. Immediately call a Poison Centre or doctor/physician for advice. Wash contaminated clothing before reuse. Discard contaminated shoes, belts and other articles made of leather. Contaminated work clothing should not be allowed out of the workplace! *For minor skin contact, avoid spreading material on unaffected skin.
<b>Inhaled</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a Poison Centre or doctor/physician for advice. Give artificial respiration if victim is not breathing. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult.
<b>Advice to Doctor</b>	Keep victim calm and warm. Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. *Material is corrosive. It may not be advisable to induce vomiting. Possible mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock and convulsions maybe necessary.
<b>Medical Conditions Aggravated by Exposure</b>	May cause an allergic skin reaction.

**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. Dike fire-control water for later disposal; do not scatter the material.
<b>Flammability Conditions</b>	This product is non-combustible. However, following evaporation of aqueous component under fire conditions, the non-aqueous component may decompose and/or burn.
<b>Extinguishing Media</b>	Use water spray, dry chemical, Carbon dioxide (CO <sub>2</sub> ) or foam for extinction.
<b>Fire and Explosion Hazard</b>	When heated, vapours may form explosive mixtures with air: indoors, outdoors and sewers explosion hazards! Contact with metals may evolve flammable hydrogen gas. Containers may explode when heated.
<b>Hazardous Products of Combustion</b>	Fire may produce irritating, corrosive and/or toxic gases, including Nitrogen oxides (NO <sub>x</sub> ), Sulphur oxides, Hydrogen chloride.
<b>Special Fire Fighting Instructions</b>	Contain runoff from fire control or dilution water - Runoff may be corrosive and/or toxic and cause pollution.
<b>Personal Protective Equipment</b>	Wear positive pressure self-contained breathing apparatus (SCBA). Wear chemical protective clothing - It may provide little or no thermal protection. Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.

Flash Point	No Data Available
Lower Explosion Limit	No Data Available
Upper Explosion Limit	No Data Available
Auto Ignition Temperature	No Data Available
Hazchem Code	2X

## 6. ACCIDENTAL RELEASE MEASURES

General Response Procedure	Ensure adequate ventilation - Ventilate enclosed spaces before entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch or walk through spilled material. Do not breathe vapours and prevent contact with eyes, skin and clothing.
Clean Up Procedures	Absorb with earth, sand or other non-combustible material and transfer to a suitable container for disposal (see SECTION 13). *Do NOT add deactivation solution to the waste container to deactivate the absorbed material.
Containment	Stop leak if safe to do so - Prevent entry into waterways, drains or confined areas.
Decontamination	Deactivate spill area with freshly prepared solution of 5% Sodium bicarbonate and 5% Sodium hypochlorite in water. Apply solution to the spill area at a ratio of 10 volumes deactivation solution per estimated volume of residual spill. Let stand for 30 minutes. Flush the spill area with copious amounts of water.
Environmental Precautionary Measures	Spillages and decontamination runoff should be prevented from entering drains and watercourses.
Evacuation Criteria	Spill or leak area should be isolated immediately. Evacuate personnel to safe areas. Keep unauthorised personnel away. Keep upwind and to higher ground.
Personal Precautionary Measures	Do not touch damaged containers or spilled material unless wearing appropriate protective clothing (see SECTION 8). *Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.

## 7. HANDLING AND STORAGE

Handling	Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation - Use only outdoors or in a well-ventilated area. Handle in accordance with good industrial hygiene and safety practice. 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). Do not exposure to extreme temperatures. Keep away from sources of ignition - No smoking. Avoid release to the environment - Collect spillage (see SECTION 6).
Storage	Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep container tightly closed. Protect from freezing. Keep away from incompatible materials (see SECTION 10). Store locked up. *Recommended storage temperature: $\geq 1^{\circ}\text{C}$ - $\leq 55^{\circ}\text{C}$ .
Container	Keep in the original container. Do not store in Steel containers.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General	No specific exposure standards are available for this product.
Exposure Limits	No Data Available
Biological Limits	No information available.
Engineering Measures	Use local exhaust ventilation with a minimum capture velocity of 150 ft/min (0.75 m/sec) at the point of dust or mist evolution.
Personal Protection Equipment	- Respiratory protection: Wear respiratory protection in case of inadequate ventilation or where risk assessment shows air-purifying respirators are appropriate. Recommended: Approved half-mask or full facepiece respirator, Filter type: A/P

(organic vapour + particulate). In any emergency situation, wear an approved self-contained breathing apparatus (SCBA).

- Eye/face protection: Wear appropriate eye protection to prevent eye contact. Recommended: Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards.
- Hand protection: Wear protective gloves. Recommended: Impervious gloves, e.g. Nitrile, Butyl rubber. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough.
- Skin/body protection: Wear appropriate personal protective clothing to prevent skin contact. Recommended: Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the hazardous substance(s) at the specific workplace.

**Special Hazards Precautions**

No information available.

**Work Hygienic Practices**

Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and shoes immediately and wash before reuse. Discard contaminated shoes, belts and other articles made of leather. Contaminated work clothing should not be allowed out of the workplace.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State</b>	Liquid
<b>Appearance</b>	Liquid
<b>Odour</b>	Pungent
<b>Colour</b>	Yellow or yellow-green
<b>pH</b>	2.0 - 4.0
<b>Vapour Pressure</b>	No Data Available
<b>Relative Vapour Density</b>	0.62 Air = 1
<b>Boiling Point</b>	100 °C (Water)
<b>Melting Point</b>	-33 °C
<b>Freezing Point</b>	No Data Available
<b>Solubility</b>	Soluble in water
<b>Specific Gravity</b>	1.27 - 1.33 g/mL
<b>Flash Point</b>	No Data Available
<b>Auto Ignition Temp</b>	No Data Available
<b>Evaporation Rate</b>	<1 (n-Butyl acetate = 1)
<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>	16,000 cPs (@ 25 °C)
<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>	No information available.
<b>Properties That May Initiate or Contribute to Fire Intensity</b>	This product is non-combustible. However, following evaporation of aqueous component under fire conditions, the non-aqueous component may decompose and/or burn.
<b>Reactions That Release Gases or Vapours</b>	Fire/decomposition may produce irritating, corrosive and/or toxic gases, including Nitrogen oxides (NO <sub>x</sub> ), Sulphur oxides, Hydrogen chloride.
<b>Release of Invisible Flammable Vapours and Gases</b>	When heated, vapours may form explosive mixtures with air: indoors, outdoors and sewers explosion hazards! Contact with metals may evolve flammable hydrogen gas.

## 10. STABILITY AND REACTIVITY

<b>General Information</b>	No dangerous reactions known.
<b>Chemical Stability</b>	This material is considered stable under specified conditions of storage and use.
<b>Conditions to Avoid</b>	Do not expose to extreme temperatures. Protect from freezing.
<b>Materials to Avoid</b>	Incompatible/reactive with oxidizing agents, reducing agents, amines, mercaptans.
<b>Hazardous Decomposition Products</b>	Fire/decomposition may produce irritating, corrosive and/or toxic gases, including Nitrogen oxides (NO <sub>x</sub> ), Sulphur oxides, Hydrogen chloride.
<b>Hazardous Polymerisation</b>	Product will not undergo polymerisation.

## 11. TOXICOLOGICAL INFORMATION

<b>General Information</b>	<p>Information on toxicological effects:</p> <ul style="list-style-type: none"> <li>- Acute toxicity: Harmful if swallowed, in contact with skin and if inhaled.</li> <li>- Skin corrosion/irritation: Corrosive! Causes severe skin burns and eye damage.</li> <li>- Eye damage/irritation: Corrosive! Causes serious eye damage.</li> <li>- Respiratory/skin sensitisation: Skin sensitiser. May cause an allergic skin reaction.</li> <li>- Germ cell mutagenicity: Based on weight of evidence, not considered to be genotoxic.</li> <li>- Carcinogenicity: No evidence of carcinogenicity.</li> <li>- Reproductive toxicity: No evidence of reproductive/developmental toxicity.</li> <li>- STOT (single exposure): No information available.</li> <li>- STOT (repeated exposure): Not considered to cause serious damage to health from repeated exposure.</li> <li>- Aspiration toxicity: No information available.</li> </ul>
<b>Acute</b>	
<b>Ingestion</b>	<p>Acute toxicity:</p> <p>LD50, Rat: 465 mg/kg (male) &amp; 393 mg/kg (female) [Supplier's SDS].</p>
<b>Other</b>	<p>Acute toxicity (Dermal):</p> <ul style="list-style-type: none"> <li>- LD50, Rabbit: 1,008 mg/kg [Supplier's SDS].</li> </ul>
<b>Inhalation</b>	<p>Acute toxicity (Inhalation):</p> <p>COMPONENT: CMIT/MIT (CAS No. 55965-84-9):</p> <ul style="list-style-type: none"> <li>- LC50, Rat: 0.33 mg/L (4 h) [Supplier's SDS].</li> </ul>
<b>Carcinogen Category</b>	None

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Aquatic toxicity: COMPONENT: CMIT/MIT (CAS No. 55965-84-9): - LC50, Fish (Oncorhynchus mykiss (Rainbow trout)): 0.19 mg/L (96 h). - LC50, Fish (Lepomis macrochirus (Bluegill sunfish)): 0.28 mg/L (96 h). - EC50, Aq. invertebrates (Daphnia magna): 0.16 mg/L (48 h). - EC50, Algae (Marine algae (Skeletonema costatum)): 0.003 mg/L (48 h). - EC50, Algae (Selenastrum capricornutum): 0.018 mg/L (48 h).
<b>Persistence/Degradability</b>	Not readily biodegradable. Biodegrades slowly in the environment (18 %, 35 d) [OECD 302 B].
<b>Mobility</b>	Accidental spillage may lead to penetration in the soil and groundwater.
<b>Environmental Fate</b>	Very toxic to aquatic life with long lasting effects - Avoid release to the environment.
<b>Bioaccumulation Potential</b>	There is no evidence to suggest bioaccumulation will occur.
<b>Environmental Impact</b>	No Data Available

### 13. DISPOSAL CONSIDERATIONS

<b>General Information</b>	Dispose of as hazardous waste through a licensed professional waste disposal service and in accordance with local/regional/national regulations. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
<b>Special Precautions for Land Fill</b>	Contaminated packaging: Dispose of as unused product.

### 14. TRANSPORT INFORMATION

#### Land Transport (Australia)

ADG Code

<b>Proper Shipping Name</b>	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Contains: 5-Chloro-2-methyl-3-isothiazolone; 2-methyl-3-isothiazolone)
<b>Class</b>	8 Corrosive Substances
<b>Subsidiary Risk(s)</b>	No Data Available
<b>EPG</b>	37 Toxic And/Or Corrosive Substances Non-Combustible
<b>UN Number</b>	3265
<b>Hazchem</b>	2X
<b>Pack Group</b>	II
<b>Special Provision</b>	No Data Available

#### Land Transport (Malaysia)

ADR Code

<b>Proper Shipping Name</b>	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Contains: 5-Chloro-2-methyl-3-isothiazolone; 2-methyl-3-isothiazolone)
<b>Class</b>	8 Corrosive Substances
<b>Subsidiary Risk(s)</b>	No Data Available
<b>EPG</b>	37 Toxic And/Or Corrosive Substances Non-Combustible
<b>UN Number</b>	3265
<b>Hazchem</b>	2X
<b>Pack Group</b>	II
<b>Special Provision</b>	No Data Available

**Land Transport (New Zealand)**

NZS5433

<b>Proper Shipping Name</b>	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Contains: 5-Chloro-2-methyl-3-isothiazolone; 2-methyl-3-isothiazolone)
<b>Class</b>	8 Corrosive Substances
<b>Subsidiary Risk(s)</b>	No Data Available
<b>EPG</b>	37 Toxic And/Or Corrosive Substances Non-Combustible
<b>UN Number</b>	3265
<b>Hazchem</b>	2X
<b>Pack Group</b>	II
<b>Special Provision</b>	No Data Available

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

US DOT

<b>Proper Shipping Name</b>	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Contains: 5-Chloro-2-methyl-3-isothiazolone; 2-methyl-3-isothiazolone)
<b>Class</b>	8 Corrosive Substances
<b>Subsidiary Risk(s)</b>	No Data Available
<b>ERG</b>	154 Substances - Toxic and/or Corrosive (Non-Combustible)
<b>UN Number</b>	3265
<b>Hazchem</b>	2X
<b>Pack Group</b>	II
<b>Special Provision</b>	No Data Available

**Sea Transport**

IMDG Code

<b>Proper Shipping Name</b>	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Contains: 5-Chloro-2-methyl-3-isothiazolone; 2-methyl-3-isothiazolone)
<b>Class</b>	8 Corrosive Substances
<b>Subsidiary Risk(s)</b>	No Data Available
<b>UN Number</b>	3265
<b>Hazchem</b>	2X
<b>Pack Group</b>	II
<b>Special Provision</b>	No Data Available
<b>EMS</b>	F-A, S-B
<b>Marine Pollutant</b>	Yes

**Air Transport**

IATA DGR

<b>Proper Shipping Name</b>	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Contains: 5-Chloro-2-methyl-3-isothiazolone; 2-methyl-3-isothiazolone)
<b>Class</b>	8 Corrosive Substances
<b>Subsidiary Risk(s)</b>	No Data Available
<b>UN Number</b>	3265
<b>Hazchem</b>	2X
<b>Pack Group</b>	II
<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**

METHYLCHLOROISOTHIAZOLINONE

**Poisons Schedule (Aust)**

6

**Environmental Protection Authority (New Zealand)**

Hazardous Substances and New Organisms Amendment Act 2015

**Approval Code**

HSR002681 - Water Treatment Chemicals Corrosive Group Standard 2020

**National/Regional Inventories****Australia (AIIIC)**

Listed

**Canada (DSL)**

Not Determined

**Canada (NDSL)**

Not Determined

**China (IECSC)**

Not Determined

**Europe (EINECS)**

Not Determined

**Europe (REACH)**

Not Determined

**Japan (ENCS/METI)**

Not Determined

**Korea (KECI)**

Not Determined

**Malaysia (List of Classified Substances)**

Not Determined

**New Zealand (NZIoC)**

Listed

**Philippines (PICCS)**

Not Determined

**Taiwan (TCSI)**

Not Determined

**USA (TSCA)**

Not Determined

**Mexico (INSQ)**

Not Determined

**16. OTHER INFORMATION****Related Product Codes**

CHMEIS3000, CHMEIS3001, CHMEIS3002, CHMEIS3200, CHMEIS3220, CHMEIS3221, CHMEIS3225, CHMEIS7000

**Revision**

4

**Revision Date**

21 Apr 2023

## 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