



**SAFETY DATA SHEET**  
**POTASSIUM PEROXYMONOSULFATE**  
**REVISION 3, DATE 15 JAN 20**

## 1. IDENTIFICATION

<b>Product Name</b>	<b>Potassium Peroxymonosulfate</b>
<b>Other Names</b>	Potassium hydrogen peroxymonosulphate; Potassium peroxymonosulfate sulfate
<b>Uses</b>	Oxidising agents.
<b>Chemical Family</b>	No Data Available
<b>Chemical Formula</b>	H3K5O18S4
<b>Chemical Name</b>	Contains: Pentapotassium bis(peroxymonosulphate) bis(sulphate); Dipotassium peroxodisulphate
<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	Level 2, No. 8, Jalan Sapir 33/7 Seksyen 33, Shah Alam Premier Industrial Park 40400 Shah Alam Sengalor, 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	Westmead NSW	1800-251525 131126
Chemcall	Australia	1800-127406 +64-4-9179888
Chemcall	Malaysia	+64-4-9179888
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)

Schedule 6



## 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  
Skin Corrosion/Irritation - Category 1B  
Serious Eye Damage/Irritation - Category 1  
Acute Hazard To The Aquatic Environment - Category 2  
Long-term Hazard To The Aquatic Environment - Category 3

**Pictograms**

**Signal Word** Danger

**Hazard Statements**

<b>H302</b>	Harmful if swallowed.
<b>H314</b>	Causes severe skin burns and eye damage.
<b>H401</b>	Toxic to aquatic life.
<b>H412</b>	Harmful to aquatic life with long lasting effects.

<b>Precautionary Statements</b>	Prevention	<b>P260</b>	Do not breathe dusts or mists.
		<b>P280</b>	Wear protective gloves/protective clothing/eye protection/face protection.
		<b>P273</b>	Avoid release to the environment.
		<b>P270</b>	Do not eat, drink or smoke when using this product.
	Response	<b>P303 + P361 + P353</b>	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
		<b>P310</b>	Immediately call a POISON CENTER or doctor.
		<b>P305 + P351 + P338</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
		<b>P301 + P330 + P331</b>	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
		<b>P363</b>	Wash contaminated clothing before reuse.
		<b>P304 + P340</b>	IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
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)

**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
Pentapotassium bis(peroxymonosulphate) bis(sulphate)	H3K5O18S4	70693-62-8	>97 - 100 %
Dipotassium peroxodisulphate	K2O8S2	7727-21-1	0 - <3 %

#### 4. FIRST AID MEASURES

##### Description of necessary measures according to routes of exposure

<b>Swallowed</b>	IF SWALLOWED: Rinse mouth thoroughly with water. Do NOT induce vomiting. Keep respiratory tract clear. 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. Protect unharmed eye. Continue rinsing eyes during transport to hospital.
<b>Skin</b>	IF ON SKIN (or hair): Remove contaminated clothing and shoes immediately. Flush skin and hair with running water for at least 15 minutes. In case of gross contamination, drench contaminated clothing and skin with plenty of water before removing clothes. For minor skin contact, avoid spreading material on unaffected skin. Immediately call a Poison Centre or doctor/physician for advice.
<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. 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.
<b>Advice to Doctor</b>	Treat symptomatically and supportively. Symptoms of poisoning may appear several hours later. Do not leave the victim unattended. Keep victim calm and warm - Obtain immediate medical care. Ensure that attending medical personnel are aware of the identity and nature of the product(s) involved, and take precautions to protect themselves.
<b>Medical Conditions Aggravated by Exposure</b>	Contains Dipotassium peroxodisulphate: May cause allergy or asthma symptoms or breathing difficulties if inhaled; 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. Avoid getting water inside containers.
<b>Flammability Conditions</b>	Non-combustible; Material itself does not burn.
<b>Extinguishing Media</b>	If material is involved in a fire, use dry chemical, Carbon dioxide (CO2), alcohol-resistant foam or water spray for extinction - Do not use water jets (may scatter and spread fire). Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Fire and Explosion Hazard</b>	Containers may explode when heated. Flammable gases and vapours can develop in case of fire/decomposition.
<b>Hazardous Products of Combustion</b>	Fire or heat will produce irritating, toxic and/or corrosive gases.
<b>Special Fire Fighting Instructions</b>	Contain runoff from fire control or dilution water - Runoff may be toxic and/or corrosive and may pollute waterways. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
<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. ELIMINATE all ignition sources. Do not touch or walk through spilled material. Clear spills immediately. Avoid generating dust. Do not breathe dust and prevent contact with eyes, skin and clothing.
<b>Clean Up Procedures</b>	Use clean, non-sparking tools to collect material and place into suitable containers for later 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>	To clean the floor and all objects contaminated by this material, use plenty of water.
<b>Environmental Precautionary Measures</b>	Spillages and decontamination runoff should be prevented from entering drains and watercourses.
<b>Evacuation Criteria</b>	Spill or leak area should be isolated immediately. Keep unauthorised personnel away. Keep upwind and to higher ground.
<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. Handle in accordance with good industrial hygiene and safety practice. Minimise dust generation and accumulation. Do not breathe dusts or mists and prevent contact with eyes, skin and clothing. Do not ingest. Wear protective gloves/protective clothing/eye protection/face protection (see SECTION 8). Electrical installations/working materials must comply with the technological safety standards.
<b>Storage</b>	Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep containers tightly closed - Containers which are opened must be carefully resealed and kept upright to prevent leakage. Protect from moisture/impurities. Keep away from heat and sources of ignition - No smoking. Keep away from incompatible materials (see SECTION 10). Store locked up.
<b>Container</b>	Keep in the original container.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>General</b>	Workers, Inhalation, Long-term systemic effects, 0.28 mg/m <sup>3</sup> Workers, Inhalation, Acute systemic effects, 50 mg/m <sup>3</sup> Workers, Inhalation, Long-term local effects 0.28 mg/m <sup>3</sup> Workers, Inhalation, Acute local effects, 50 mg/m <sup>3</sup> Workers, Skin contact, Long-term systemic effects, 20 mg/kg bw/day Workers, Skin contact, Acute systemic effects, 80 mg/kg bw/day Workers, Skin contact, Acute local effects, 0.449 mg/cm <sup>2</sup>
<b>Exposure Limits</b>	No Data Available
<b>Biological Limits</b>	No information available on biological limit values for this product.
<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>	RESPIRATOR: Wear Respirator with filter type ABEK (AS1715/1716). EYES: Tightly fitting safety goggles/Face protection (AS1336/1337). HANDS: Butyl rubber gloves (0.5mm/>=8hr break through time) (AS2161). CLOTHING: Protective suit (AS3765/2210). Remove and wash contaminated clothing before re-use.
<b>Work Hygienic Practices</b>	Keep away from food and drink. When using do not eat or drink. When using do not smoke. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance	Crystalline
Odour	Odourless
Colour	White
pH	2.3 (10 g/l)
Vapour Pressure	<0.001 hPa (@ 25 °C)
Relative Vapour Density	No Data Available
Boiling Point	No Data Available
Melting Point	Decomposes below the melting point
Freezing Point	No Data Available
Solubility	Soluble in water (ca. 300 g/l) 20°C
Specific Gravity	ca. 2.35
Flash Point	No Data Available
Auto Ignition Temp	No Data Available
Evaporation Rate	No Data Available
Bulk Density	ca. 1,100 kg/m <sup>3</sup>
Corrosion Rate	No Data Available
Decomposition Temperature	>80 °C
Density	ca. 2.35 g/cm <sup>3</sup>
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	- Self-accelerating decomposition temperature (SADT): >80 °C [UN-Test H.4] - No oxidising effect.
Potential for Dust Explosion	Not explosive.
Fast or Intensely Burning Characteristics	No information available.
Flame Propagation or Burning Rate of Solid Materials	No information available.
Non-Flammables That Could Contribute Unusual Hazards to a Fire	No information available.
Properties That May Initiate or Contribute to Fire Intensity	Non-combustible; Material itself does not burn.
Reactions That Release Gases or Vapours	Fire/decomposition will produce irritating, toxic and/or corrosive gases.
Release of Invisible Flammable Vapours and Gases	Flammable gases and vapours can develop in case of fire/decomposition.

**10. STABILITY AND REACTIVITY**

<b>General Information</b>	Even small amounts of moisture or impurities can notably reduce the self-accelerating decomposition temperature (SADT).
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Conditions to Avoid</b>	Avoid generating dust. Protect from moisture/impurities (risk of decomposition).
<b>Materials to Avoid</b>	Incompatible/reactive with accelerators, strong acids and bases, heavy metals and heavy metal salts, reducing agents, moisture and impurities (e.g. rust, dust, ash).
<b>Hazardous Decomposition Products</b>	Fire/decomposition will produce irritating, toxic, corrosive and/or flammable gases and vapours.
<b>Hazardous Polymerisation</b>	No information available.

**11. TOXICOLOGICAL INFORMATION**

<b>General Information</b>	<ul style="list-style-type: none"> <li>- Acute toxicity: Harmful if swallowed. PRODUCT: The substance or mixture has no acute inhalation toxicity [Expert judgement].</li> <li>- Skin corrosion/irritation: Causes severe skin burns. PRODUCT: Causes burns; Extremely corrosive and destructive to tissue (Rabbit) [OECD TG 404].</li> <li>- Eye damage/irritation: Causes serious eye damage. PRODUCT: Risk of serious damage to eyes; May cause irreversible eye damage (Rabbit) [OECD TG 405].</li> <li>- Respiratory sensitisation: Not classified based on available information. PRODUCT: Inhalation does not cause respiratory sensitisation [Expert judgement]. COMPONENT: Dipotassium peroxodisulphate: May cause allergy or asthma symptoms or breathing difficulties if inhaled (dust/mist/fume).</li> <li>- Skin sensitisation: Not classified based on available information. PRODUCT: Skin contact did not cause sensitisation on laboratory animals (Guinea pig) [OECD TG 406]. COMPONENT: Dipotassium peroxodisulphate: May cause an allergic skin reaction.</li> <li>- Germ cell mutagenicity: Not classified based on available information.</li> <li>- Carcinogenicity: Not classified based on available information.</li> <li>- Reproductive toxicity: Not classified based on available information.</li> <li>- STOT (single exposure): Not classified based on available information. PRODUCT: The substance or mixture is not classified as specific target organ toxicant, single exposure. COMPONENT: Dipotassium peroxodisulphate: May cause respiratory irritation.</li> <li>- STOT (repeated exposure): Not classified based on available information.</li> <li>- Aspiration toxicity: Not classified based on available information.</li> </ul>
<b>Acute</b>	
<b>Ingestion</b>	<p>Acute toxicity (Oral):</p> <ul style="list-style-type: none"> <li>- LD50, Rat: 500 mg/kg [OECD TG 423].</li> </ul> <p>COMPONENT: Pentapotassium bis(peroxymonosulphate) bis(sulphate):</p> <ul style="list-style-type: none"> <li>- LD50, Rat: 500 mg/kg [OECD TG 423].</li> </ul> <p>COMPONENT: Dipotassium peroxodisulphate:</p> <ul style="list-style-type: none"> <li>- LD50, Rat (male/female): 742 mg/kg [OECD TG 401].</li> </ul>
<b>Inhalation</b>	<p>Acute toxicity (Inhalation):</p> <ul style="list-style-type: none"> <li>- LC0, Rat: &gt;5 mg/l (4 h) dust/mist [OECD TG 403].</li> </ul> <p>COMPONENT: Pentapotassium bis(peroxymonosulphate) bis(sulphate):</p> <ul style="list-style-type: none"> <li>- LC0, Rat: &gt;5 mg/l (4 h) dust/mist [OECD TG 403].</li> </ul> <p>COMPONENT: Dipotassium peroxodisulphate:</p> <ul style="list-style-type: none"> <li>- LC50, Rat: &gt;5.1 mg/l (4 h) dust/mist [OECD TG 403].</li> </ul>
<b>Other</b>	<p>Acute toxicity (Dermal):</p> <ul style="list-style-type: none"> <li>- LD50, Rat: &gt;5,000 mg/kg [OECD TG 402].</li> </ul> <p>COMPONENT: Pentapotassium bis(peroxymonosulphate) bis(sulphate):</p> <ul style="list-style-type: none"> <li>- LD50, Rat: &gt;5,000 mg/kg [OECD TG 402].</li> </ul> <p>COMPONENT: Dipotassium peroxodisulphate:</p> <ul style="list-style-type: none"> <li>- LD50, Rat: &gt;2,000 mg/kg</li> </ul>
<b>Carcinogen Category</b>	None

**12. ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	Aquatic toxicity: - LC50, Fish (Oncorhynchus mykiss): 53 mg/l (96 h) [OECD TG 203]. - EC50, Crustacea (Daphnia magna): 3.5 mg/l (48 h) [OECD TG 202]. - ErC50, Algae (Pseudokirchneriella subcapitata): >1 mg/l (72 h) [OECD TG 201]. - NOEC, Fish: 0.5 mg/l (37 d) [Chronic toxicity].
<b>Persistence/Degradability</b>	Biodegradability: The methods for determining the biological degradability are not applicable to inorganic substances.
<b>Mobility</b>	No information available.
<b>Environmental Fate</b>	Toxic to aquatic life/Harmful to aquatic life with long lasting effects - Avoid release to the environment. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
<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 at an approved waste disposal facility and in accordance with local/regional/national regulations.
<b>Special Precautions for Land Fill</b>	Contaminated packaging: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

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

ADG Code

<b>Proper Shipping Name</b>	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Potassium peroxymonosulfate)
<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>	3260
<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 SOLID, ACIDIC, INORGANIC, N.O.S. (Potassium peroxymonosulfate)
<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>	3260
<b>Hazchem</b>	2X
<b>Pack Group</b>	II

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Special Provision No Data Available

## Land Transport (New Zealand)

NZS5433

**Proper Shipping Name** CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Potassium peroxymonosulfate)  
**Class** 8 Corrosive Substances  
**Subsidiary Risk(s)** No Data Available  
**EPG** 37 Toxic And/Or Corrosive Substances Non-Combustible  
**UN Number** 3260  
**Hazchem** 2X  
**Pack Group** II  
**Special Provision** No Data Available

## Land Transport (United States of America)

US DOT

**Proper Shipping Name** CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Potassium peroxymonosulfate)  
**Class** 8 Corrosive Substances  
**Subsidiary Risk(s)** No Data Available  
**ERG** 154 Substances - Toxic and/or Corrosive (Non-Combustible)  
**UN Number** 3260  
**Hazchem** 2X  
**Pack Group** II  
**Special Provision** No Data Available

## Sea Transport

IMDG Code

**Proper Shipping Name** CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Potassium peroxymonosulfate)  
**Class** 8 Corrosive Substances  
**Subsidiary Risk(s)** No Data Available  
**UN Number** 3260  
**Hazchem** 2X  
**Pack Group** II  
**Special Provision** No Data Available  
**EMS** F-A, S-B  
**Marine Pollutant** No

## Air Transport

IATA DGR

**Proper Shipping Name** CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Potassium peroxymonosulfate)  
**Class** 8 Corrosive Substances  
**Subsidiary Risk(s)** No Data Available  
**UN Number** 3260  
**Hazchem** 2X  
**Pack Group** II  
**Special Provision** No Data Available

## National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & 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**

POTASSIUM PEROXOMONOSULFATE TRIPLE SALT

**Poisons Schedule (Aust)**

Schedule 6

**Environmental Protection Authority (New Zealand)**

Hazardous Substances and New Organisms Amendment Act 2015

**Approval Code**Additives Process Chemicals and Raw Materials Corrosive Group Standard 2020 HSR002491  
\*HSR003754 (Revoked)**National/Regional Inventories**

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

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

POPEOX8800, POPEOX9600, POPEOX9900

**Revision**

3

# SAFETY DATA SHEET POTASSIUM PEROXYMONOSULFATE REVISION 3, DATE 15 JAN 20

<b>Revision Date</b>	15 Jan 2020
<b>Reason for Issue</b>	SDS Updated
<b>Key/Legend</b>	<p>&lt; Less Than</p> <p>&gt; Greater Than</p> <p><b>AICS</b> Australian Inventory of Chemical Substances</p> <p><b>atm</b> Atmosphere</p> <p><b>CAS</b> Chemical Abstracts Service (Registry Number)</p> <p><b>cm<sup>2</sup></b> Square Centimetres</p> <p><b>CO<sub>2</sub></b> Carbon Dioxide</p> <p><b>COD</b> Chemical Oxygen Demand</p> <p><b>deg C (°C)</b> Degrees Celcius</p> <p><b>EPA (New Zealand)</b> Environmental Protection Authority of New Zealand</p> <p><b>deg F (°F)</b> Degrees Farenheit</p> <p><b>g</b> Grams</p> <p><b>g/cm<sup>3</sup></b> Grams per Cubic Centimetre</p> <p><b>g/l</b> Grams per Litre</p> <p><b>HSNO</b> Hazardous Substance and New Organism</p> <p><b>IDLH</b> Immediately Dangerous to Life and Health</p> <p><b>immiscible</b> Liquids are insoluable in each other.</p> <p><b>inHg</b> Inch of Mercury</p> <p><b>inH<sub>2</sub>O</b> Inch of Water</p> <p><b>K</b> Kelvin</p> <p><b>kg</b> Kilogram</p> <p><b>kg/m<sup>3</sup></b> Kilograms per Cubic Metre</p> <p><b>lb</b> Pound</p> <p><b>LC<sub>50</sub></b> 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.</p> <p><b>LD<sub>50</sub></b> 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.</p> <p><b>ltr or L</b> Litre</p> <p><b>m<sup>3</sup></b> Cubic Metre</p> <p><b>mbar</b> Millibar</p> <p><b>mg</b> Milligram</p> <p><b>mg/24H</b> Milligrams per 24 Hours</p> <p><b>mg/kg</b> Milligrams per Kilogram</p> <p><b>mg/m<sup>3</sup></b> Milligrams per Cubic Metre</p> <p><b>Misc or Miscible</b> Liquids form one homogeneous liquid phase regardless of the amount of either component present.</p> <p><b>mm</b> Millimetre</p> <p><b>mmH<sub>2</sub>O</b> Millimetres of Water</p> <p><b>mPa.s</b> Millipascals per Second</p> <p><b>N/A</b> Not Applicable</p> <p><b>NIOSH</b> National Institute for Occupational Safety and Health</p> <p><b>NOHSC</b> National Occupational Heath and Safety Commission</p> <p><b>OECD</b> Organisation for Economic Co-operation and Development</p> <p><b>Oz</b> Ounce</p> <p><b>PEL</b> Permissible Exposure Limit</p> <p><b>Pa</b> Pascal</p> <p><b>ppb</b> Parts per Billion</p> <p><b>ppm</b> Parts per Million</p> <p><b>ppm/2h</b> Parts per Million per 2 Hours</p> <p><b>ppm/6h</b> Parts per Million per 6 Hours</p> <p><b>psi</b> Pounds per Square Inch</p> <p><b>R</b> Rankine</p> <p><b>RCP</b> Reciprocal Calculation Procedure</p> <p><b>STEL</b> Short Term Exposure Limit</p> <p><b>TLV</b> Threshold Limit Value</p> <p><b>tne</b> Tonne</p> <p><b>TWA</b> Time Weighted Average</p> <p><b>ug/24H</b> Micrograms per 24 Hours</p> <p><b>UN</b> United Nations</p> <p><b>wt</b> Weight</p>