



# SAFETY DATA SHEET SODIUM FORMATE REVISION 4, DATE 10 JUL 21

## 1. IDENTIFICATION

<b>Product Name</b>	<b>Sodium Formate</b>
<b>Other Names</b>	No Data Available
<b>Uses</b>	For dyeing, printing fabrics, leather tanning and chrome electroplating process; as an antioxidant in paper industry; for manufacturing Formic acid, Oxalic acid, Sodium hydrosulphite and metal formates.
<b>Chemical Family</b>	No Data Available
<b>Chemical Formula</b>	CHNaO2
<b>Chemical Name</b>	Formic acid, sodium salt
<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)

Not Scheduled

Redox Ltd  
Corporate Office Sydney  
Locked Bag 15 Minto NSW 2566 Australia  
2 Swettenham Road Minto NSW 2566 Australia  
All Deliveries: 4 Holmes Road Minto NSW 2566 Australia

Phone +61 2 9733 3000  
Fax +61 2 9733 3111  
E-mail [sydney@redox.com](mailto:sydney@redox.com)  
Web [www.redox.com](http://www.redox.com)  
ABN 92 000 762 345


Australia  
Adelaide  
Brisbane  
Melbourne  
Perth  
Sydney

New Zealand  
Auckland  
Christchurch  
Hawke's Bay  
UK  
London

Malaysia  
Kuala Lumpur  
USA  
Los Angeles  
Oakland  
Mexico  
Saltillo



## Globally Harmonised System

<b>Hazard Classification</b>		Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)	
<b>Hazard Categories</b>		Skin Corrosion/Irritation - Category 2 Serious Eye Damage/Irritation - Category 2B Specific Target Organ Toxicity (Single Exposure) - Category 3	
<b>Pictograms</b>			
<b>Signal Word</b>		Warning	
<b>Hazard Statements</b>		<b>H315 + H320</b>	Causes skin and eye irritation.
		<b>H335</b>	May cause respiratory irritation.
<b>Precautionary Statements</b>	Prevention	<b>P280</b>	Wear protective gloves.
		<b>P261</b>	Avoid breathing dusts or mists.
		<b>P271</b>	Use only outdoors or in a well-ventilated area.
	Response	<b>P302 + P352</b>	IF ON SKIN: Wash with plenty of soap and water.
		<b>P332 + P313</b>	If skin irritation occurs: Get medical advice.
		<b>P362 + P364</b>	Take off contaminated clothing and wash it before reuse.
		<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>P337 + P313</b>	If eye irritation persists: Get medical advice.
		<b>P304 + P340</b>	IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
		<b>P312</b>	Call a POISON CENTER or doctor if you feel unwell.
	Storage	<b>P403 + P233</b>	Store in a well-ventilated place. Keep container tightly closed.
		<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 &amp; Rail (ADG Code)

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

## Safe Work Australia

National Guide for Classifying Hazardous Chemicals under the Model WHS Regulations

<b>Hazard Classification</b>	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
Sodium formate	CHNaO2	141-53-7	95 - 100 %

**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 unless directed to do so by medical personnel. Get medical advice/attention. Never give anything by mouth to an unconscious person.
<b>Eye</b>	IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical advice/attention.
<b>Skin</b>	IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs, get medical advice/attention.
<b>Inhaled</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory symptoms persist, get medical advice/attention. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.
<b>Advice to Doctor</b>	Treat symptomatically.
<b>Medical Conditions Aggravated by Exposure</b>	No information available.

**5. FIRE FIGHTING MEASURES**

<b>General Measures</b>	If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out.
<b>Flammability Conditions</b>	Combustible solid; May burn but does not ignite readily.
<b>Extinguishing Media</b>	Use dry chemical, Carbon dioxide (CO2), foam or water spray for extinction. Do not use water jets.
<b>Fire and Explosion Hazard</b>	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
<b>Hazardous Products of Combustion</b>	Fire may produce irritating and/or toxic gases, including Carbon monoxide, Carbon dioxide, Sodium oxides. Under certain fire conditions, traces of other toxic gases cannot be excluded.
<b>Special Fire Fighting Instructions</b>	Contain runoff from fire control or dilution water - Runoff may cause pollution.
<b>Personal Protective Equipment</b>	Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.
<b>Flash Point</b>	No Data Available
<b>Lower Explosion Limit</b>	No Data Available
<b>Upper Explosion Limit</b>	No Data Available
<b>Auto Ignition Temperature</b>	No Data Available
<b>Hazchem Code</b>	No Data Available

**6. ACCIDENTAL RELEASE MEASURES**

<b>General Response Procedure</b>	Ensure adequate ventilation. ELIMINATE all ignition sources. Do not touch or walk through spilled material. Avoid generating dust. Avoid breathing dust and contact with eyes, skin and clothing.
<b>Clean Up Procedures</b>	Sweep up and shovel into suitable containers for disposal (see SECTION 13). *Use non-sparking tools.

<b>Containment</b>	Stop leak if you can do it without risk. Prevent dust cloud. Prevent entry into waterways, sewers, basements or confined areas.
<b>Decontamination</b>	Wash away remainder with plenty of water.
<b>Environmental Precautionary Measures</b>	Prevent entry into drains and waterways.
<b>Evacuation Criteria</b>	Spill or leak area should be isolated immediately. Keep unauthorised personnel away.
<b>Personal Precautionary Measures</b>	Use personal protective equipment as required (see SECTION 8).

## 7. HANDLING AND STORAGE

<b>Handling</b>	Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Minimise dust generation and accumulation. Avoid breathing dust and contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8). <b>WARNING:</b> May form combustible dust concentrations in air! Keep away from heat and all sources of ignition - No smoking. Take precautionary measures against static discharge. Ground/bond container and receiving equipment.
<b>Storage</b>	Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep container tightly closed. Protect from water/moisture (hygroscopic). Keep away from heat and all sources of ignition - No smoking. Keep away from food/feedstuffs and incompatible materials (see SECTION 10).
<b>Container</b>	Keep in the original container.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>General</b>	There are no specific exposure standards for this chemical. For dusts from solid substances without specific occupational exposure standards: - Safe Work Australia Exposure Standard (Nuisance dusts): 8 hr TWA = 10 mg/m <sup>3</sup> , measured as inhalable dust. - New Zealand WES (Particulates not otherwise classified): TWA = 10 mg/m <sup>3</sup> ; TWA = 3 mg/m <sup>3</sup> (respirable).
<b>Exposure Limits</b>	No Data Available
<b>Biological Limits</b>	No information available.
<b>Engineering Measures</b>	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.
<b>Personal Protection Equipment</b>	- Respiratory protection: Wear respiratory protection in case of inadequate ventilation and with high concentrations. Recommended: Dust mask/particulate respirator (refer to AS/NZS 1715 & 1716). - Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Safety glasses or goggles and full face shield, where dusting or splashing of solutions is possible. - Hand protection: Handle with gloves. Recommended: Impervious gloves, e.g. Nitrile rubber. - Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Overalls, protective shoes or boots.
<b>Special Hazards Precautions</b>	No information available.
<b>Work Hygienic Practices</b>	Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Take off contaminated clothing and wash it before reuse. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Solid
<b>Appearance</b>	Crystalline powder
<b>Odour</b>	Pungent

<b>Colour</b>	Off-white
<b>pH</b>	7 - 8.5 (5% aq. sol'n)
<b>Vapour Pressure</b>	No Data Available
<b>Relative Vapour Density</b>	No Data Available
<b>Boiling Point</b>	360 °C (Decomposes)
<b>Melting Point</b>	258 - 261 °C
<b>Freezing Point</b>	No Data Available
<b>Solubility</b>	Soluble in water (550 g/L) 20°C
<b>Specific Gravity</b>	1.92
<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>	350 °C
<b>Density</b>	No Data Available
<b>Specific Heat</b>	No Data Available
<b>Molecular Weight</b>	68.01 g/mol
<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>	Hygroscopic material - Readily absorbs moisture from atmosphere.
<b>Potential for Dust Explosion</b>	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
<b>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>	Combustible solid; May burn but does not ignite readily.
<b>Reactions That Release Gases or Vapours</b>	Fire/decomposition may produce irritating and/or toxic gases, including Carbon monoxide, Carbon dioxide, Sodium oxides. Under certain fire conditions, traces of other toxic gases cannot be excluded.
<b>Release of Invisible Flammable Vapours and Gases</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>General Information</b>	Solutions are strong alkali.
<b>Chemical Stability</b>	Stable under normal conditions.

<b>Conditions to Avoid</b>	Avoid generating dust. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Avoid moisture.
<b>Materials to Avoid</b>	Incompatible/reactive with strong oxidising agents, strong acids.
<b>Hazardous Decomposition Products</b>	Fire/decomposition may produce irritating and/or toxic gases, including Carbon monoxide, Carbon dioxide, Sodium oxides. Under certain fire conditions, traces of other toxic gases cannot be excluded.
<b>Hazardous Polymerisation</b>	Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

<b>General Information</b>	<ul style="list-style-type: none"> <li>- Acute toxicity: Sodium formate exhibits low acute toxicity by all routes in animal tests.</li> <li>- Skin corrosion/irritation: Causes skin irritation.</li> <li>- Eye damage/irritation: Causes eye irritation.</li> <li>- Respiratory/skin sensitisation: Not sensitising to skin (Buehler) [Analogue: Formic acid].</li> <li>- Germ cell mutagenicity: Sodium formate is not considered to be genotoxic [NICNAS].</li> <li>- Carcinogenicity: No carcinogenicity tests on sodium formate are available. No evidence of increased carcinogenicity was observed with the analogue potassium hydrogen diformate [NICNAS].</li> <li>- Reproductive toxicity: There is no indication for the developmental or reproductive potential of sodium formate from the available in vivo studies [ECHA].</li> <li>- STOT (single exposure): May cause respiratory irritation.</li> <li>- STOT (repeated exposure): Based on data for the read-across substance (analogue) potassium diformate, it can be concluded that sodium diformate is of low toxicity following repeated dosing [ECHA].</li> <li>- Aspiration toxicity: Not applicable.</li> </ul> <p>Information on likely routes of exposure:</p> <ul style="list-style-type: none"> <li>- Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. May cause adverse kidney effects.</li> <li>- Eye contact: Causes irritation, redness and pain.</li> <li>- Skin contact: Causes irritation to skin. Symptoms include redness, itching and pain.</li> <li>- Inhalation: Inhalation of dust can irritate the respiratory tract with symptoms of sore throat, coughing and shortness of breath.</li> </ul> <p>Chronic effects: No information available.</p>
<b>Acute</b>	
<b>Ingestion</b>	<p>Acute toxicity (Oral):</p> <ul style="list-style-type: none"> <li>- LD50, Rat: &gt;3,000 mg/kg [NICNAS].</li> <li>- LD50, Mouse: 11,200 mg/kg [NICNAS].</li> </ul>
<b>Other</b>	<p>Acute toxicity (Dermal):</p> <ul style="list-style-type: none"> <li>- LD50, Rat: &gt;2,000 mg/kg [NICNAS].</li> </ul> <p>*No adverse effects observed.</p>
<b>Inhalation</b>	<p>Acute toxicity (Inhalation):</p> <ul style="list-style-type: none"> <li>- LC50, Rat: &gt;0.67 mg/L (maximum obtainable concentration, aerosolised) [NICNAS].</li> </ul>
<b>Carcinogen Category</b>	None

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	<p>Aquatic toxicity:</p> <ul style="list-style-type: none"> <li>- LC50, Fish (Pimephales promelas &amp; Oncorhynchus mykiss): &gt;1,000 mg/L (96 h) [ECHA].</li> <li>- EC50, Crustacea (Daphnia magna): &gt;1,000 mg/L (48 h) [ECHA].</li> </ul>
<b>Persistence/Degradability</b>	Sodium formate is readily biodegradable.
<b>Mobility</b>	No information available.
<b>Environmental Fate</b>	Prevent entry into drains and waterways.
<b>Bioaccumulation Potential</b>	Significant accumulation of sodium formate in organisms is not expected.
<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>	Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill.

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

ADG Code

<b>Proper Shipping Name</b>	Sodium Formate
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available
	No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available
<b>Comments</b>	NON-DANGEROUS GOODS: Not regulated for LAND transport.

**Land Transport (Malaysia)**

ADR Code

<b>Proper Shipping Name</b>	Sodium Formate
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available
	No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available
<b>Comments</b>	NON-DANGEROUS GOODS: Not regulated for LAND transport.

**Land Transport (New Zealand)**

NZS5433

<b>Proper Shipping Name</b>	Sodium Formate
<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

**Comments** NON-DANGEROUS GOODS: Not regulated for LAND transport.

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

**Proper Shipping Name** Sodium Formate  
**Class** No Data Available  
**Subsidiary Risk(s)** No Data Available  
No Data Available  
**UN Number** No Data Available  
**Hazchem** No Data Available  
**Pack Group** No Data Available  
**Special Provision** No Data Available  
**Comments** NON-DANGEROUS GOODS: Not regulated for LAND transport.

**Sea Transport**  
IMDG Code

**Proper Shipping Name** Sodium Formate  
**Class** No Data Available  
**Subsidiary Risk(s)** No Data Available  
**UN Number** No Data Available  
**Hazchem** No Data Available  
**Pack Group** No Data Available  
**Special Provision** No Data Available  
**EMS** No Data Available  
**Marine Pollutant** No  
**Comments** NON-DANGEROUS GOODS: Not regulated for SEA transport.

**Air Transport**  
IATA DGR

**Proper Shipping Name** Sodium Formate  
**Class** No Data Available  
**Subsidiary Risk(s)** No Data Available  
**UN Number** No Data Available  
**Hazchem** No Data Available  
**Pack Group** No Data Available  
**Special Provision** No Data Available  
**Comments** NON-DANGEROUS GOODS: Not regulated for AIR transport.

**National Transport Commission (Australia)**  
Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

**Dangerous Goods Classification** NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

**15. REGULATORY INFORMATION**



General Information	No Data Available
Poisons Schedule (Aust)	Not Scheduled

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

Approval Code	Not Assessed
---------------	--------------

**National/Regional Inventories**

Australia (AIIIC)	Listed
Canada (DSL)	Not Determined
Canada (NDSL)	Not Determined
China (IECSC)	Not Determined
Europe (EINECS)	205-488-0
Europe (REACH)	Not Determined
Japan (ENCS/METI)	Not Determined
Korea (KECI)	Not Determined
Malaysia (EHS Register)	Not Determined
New Zealand (NZIoC)	Listed
Philippines (PICCS)	Not Determined
Switzerland (Giftliste 1)	Not Determined
Switzerland (Inventory of Notified Substances)	Not Determined
Taiwan (NCSR)	Not Determined
USA (TSCA)	Not Determined

**16. OTHER INFORMATION**

Related Product Codes	SOFORM1000, SOFORM1002, SOFORM1004, SOFORM1005, SOFORM1006, SOFORM1007, SOFORM1008, SOFORM1009, SOFORM1010, SOFORM1011, SOFORM1012, SOFORM1013, SOFORM1014, SOFORM1015, SOFORM1016, SOFORM1017, SOFORM1018, SOFORM1019, SOFORM1020, SOFORM1021, SOFORM1022, SOFORM1023, SOFORM1024, SOFORM1025, SOFORM1026, SOFORM1027, SOFORM1028, SOFORM1029, SOFORM1030, SOFORM1031, SOFORM1032, SOFORM1033, SOFORM1034, SOFORM1035, SOFORM1036, SOFORM1040, SOFORM1041, SOFORM1049, SOFORM1500, SOFORM1501, SOFORM1700, SOFORM1800, SOFORM1900, SOFORM2000, SOFORM2001, SOFORM2100, SOFORM2200, SOFORM2300, SOFORM2400, SOFORM2500, SOFORM2600, SOFORM2700, SOFORM2800, SOFORM2900, SOFORM3001, SOFORM3002, SOFORM3003, SOFORM3004, SOFORM3005, SOFORM3006, SOFORM3007, SOFORM3008, SOFORM3009, SOFORM3010, SOFORM3011, SOFORM3012, SOFORM3013, SOFORM3014, SOFORM3015, SOFORM3100, SOFORM3401, SOFORM3410, SOFORM3415, SOFORM3420, SOFORM3450, SOFORM3460, SOFORM3461, SOFORM3500, SOFORM3800, SOFORM3900, SOFORM4000, SOFORM4001, SOFORM4200, SOFORM4300, SOFORM4501, SOFORM4600, SOFORM5001, SOFORM5500, SOFORM5600, SOFORM6000, SOFORM6500, SOFORM7000, SOFORM7001, SOFORM7100, SOFORM8000, SOFORM8800, SOFORM8900, SOFORM9000, SOFORM9001, SOFORM9100, SOFORM9300, SOFORM9400
-----------------------	--

Revision	4
Revision Date	10 Jul 2021
Key/Legend	<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>LC50</b> 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.</p> <p><b>LD50</b> 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.</p> <p><b>ltr</b> or <b>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</b> or <b>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>