

1. IDENTIFICATION

Product Name	Linear Alkylbenzenesulphonic Acid
Other Names	No Data Available
Uses	Detergent, emulsifier, anionic surfactant.
Chemical Family	No Data Available
Chemical Formula	Unspecified
Chemical Name	Linear Alkylbenzenesulphonic Acid
Product Description	No Data Available

Contact Details of the Supplier of this Safety Data Sheet

Organisation	Location	Telephone
Redox Pty Ltd	2 Swettenham Road Minto NSW 2566 Australia	+61-2-97333000
Redox Pty 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.

Organisation	Location	Telephone
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) No Data Available

Globally Harmonised System

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

Hazard Categories Corrosive to Metals - Category 1
Acute Toxicity (Oral) - Category 4
Acute Toxicity (Dermal) - Category 3
Skin Corrosion/Irritation - Category 1A
Serious Eye Damage/Irritation - Category 1

Pictograms



Signal Word Danger

Hazard Statements

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.

Precautionary Statements

Prevention	P234	Keep only in original container.	
	P260	Do not breathe fume/gas/mist/vapours/spray.	
	P264	Wash hands thoroughly after handling.	
	P270	Do not eat, drink or smoke when using this product.	
	P280	Wear protective gloves/protective clothing/eye protection/face protection.	
	Response	P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
		P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
		P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
		P303 + P361 + P353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
		P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
		P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
		P310	Immediately call a POISON CENTER or doctor/physician.
		P312	Call a POISON CENTER or doctor/physician if you feel unwell.
		P321	Specific treatment (see supplemental first aid instructions on this label).
P322		Specific measures (see supplemental first aid instructions on this label).	
Storage	P330	Rinse mouth.	
	P361	Remove/Take off immediately all contaminated clothing.	
	P363	Wash contaminated clothing before reuse.	
	P390	Absorb spillage to prevent material damage.	
	P405	Store locked up.	
	P406	Store in corrosive resistant container with a resistant inner liner.	
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 & 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)

Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

HSNO Classifications	Health Hazards		
		8.1A	Substances that are corrosive to metals
		6.1D	Substances that are acutely toxic - Harmful
		6.1C	Substances that are acutely toxic- Toxic
		8.2C	Substances that are corrosive to dermal tissue UN PGIII
		8.3A	Substances that are corrosive to ocular tissue
	Environmental Hazards	9.1D	Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action
		9.2D	Substances that are slightly harmful in the soil environment
		9.3C	Substances that are harmful to terrestrial vertebrates

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Linear Alkyl Benzene Sulphonic Acid	No Data Available	68584-22-5	>95.5 %
Alkyl benzene	No Data Available	68648-87-3	<1.50 %
Sulfuric Acid	No Data Available	7664-93-9	<=1.50 %
Water	No Data Available	7732-18-5	<1.00 %

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure

Swallowed	If vomiting occurs, rinse mouth and keep head lower than hips to help prevent aspiration. Get medical attention, if needed.
Eye	Wash eyes immediately with large amounts of water or normal saline, occasionally lifting upper and lower lids, until no evidence of chemical remains. Get medical attention immediately.
Skin	Remove contaminated clothing and shoes immediately. Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20 minutes). Get medical attention, if needed.
Inhaled	Remove from exposure immediately. Use a bag valve mask or similar device to perform artificial respiration (rescue breathing) if needed. Get medical attention.
Advice to Doctor	Treat symptomatically. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.
Medical Conditions Aggravated by Exposure	No information available on medical conditions aggravated by exposure to this product.

5. FIRE FIGHTING MEASURES

General Measures	If safe to do so, remove containers from the path of fire.
Flammability Conditions	Product is a combustible liquid.
Extinguishing Media	Water, water fog, carbon dioxide, foam, alcohol foam or dry chemical, sand.
Fire and Explosion Hazard	Product is a combustible liquid. May be combustible in presence of fire and high temperature. May react with oxidizing agents. Flammable Liquid may release vapors that form flammable mixtures when temperatures are at or above the flash

Hazardous Products of Combustion	point. Toxic gases will form upon combustion. Oxidization of carbon - carbon dioxide, carbon monoxide, Sodium oxide, sulfur oxides. Emit toxic gases when heated to decomposition.
Special Fire Fighting Instructions	Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk. Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.
Personal Protective Equipment	Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves) or chemical splash suit.
Flash Point	>=140 °C
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	Avoid accidents, clean up immediately. Eliminate all sources of ignition. Increase ventilation. Isolate the danger area. Use clean, non-sparking tools and equipment. Eliminate all sources of ignition. Vapours can accumulate in low areas.
Clean Up Procedures	Small spills : Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Large spills : Dike for later disposal. Remove sources of ignition. Keep unnecessary people away, isolate hazard area and deny entry.
Containment	Prevent further leakage or spillage if safe to do so
Decontamination	Soak up spilled product using absorbent non-combustible material such as sand or soil. Avoid using sawdust or cellulose. When saturated, collect the material and transfer to a suitable, labelled chemical waste container and dispose of promptly as hazardous waste.
Environmental Precautionary Measures	Do not allow product to reach drains, sewers or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Authority.
Evacuation Criteria	Evacuate all unnecessary personnel.
Personal Precautionary Measures	Personnel involved in the clean up should wear full protective clothing as listed in section 8.

7. HANDLING AND STORAGE

Handling	Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Avoid contact with eyes, skin and clothing. Do not inhale product vapours. Handle with care. Open only under well ventilated conditions. Keep away from sources of heat and ignition. Do not smoke. Loosen closure cautiously before opening. When using this substance, avoid breathing, ingestion and use respiratory protection when in dust or mist form. Wear chemical goggles resistant gloves and protective clothing to prevent contact. Wash thoroughly after handling. Operators must receive special training, compliance with operating rules strictly. Avoid contact with oxidizing agents. Use anti-explosion ventilation system and equipment. Hand carefully for preventing damage to packaging and containers. Equip with fire and leakage equipment. Empty containers may have harmful residues.
Storage	Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials as listed in section 10. Avoid heat, sunlight, ignition sources. Keep separated from incompatible substances. Keep away from incompatibles such as oxidizing agents. Equipped with container for leakage. This product has a UN classification of 2586 and a Dangerous Goods Class 8 (Corrosive) according to The Australian Code for the Transport of Dangerous goods By Road and Rail.
Container	Container type/packaging must comply with all applicable local legislation. Store in original packaging as approved by manufacturer.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General	The following exposure standard has been established by The Australian Safety and Compensation Council (ASCC); Sulfuric Acid 7664-93-9 TWA = 1 mg/m ³ STEL = 3 mg/m ³ NOTE: The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. Peak limitation is a ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes. These exposure standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.
Exposure Limits	No Data Available
Biological Limits	No information available on biological limit values for this product.
Engineering Measures	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Use explosion-proof ventilation equipment. Adequate ventilation should be provided so that exposure limits are not exceeded. Provide mechanical ventilation of confined spaces.
Personal Protection Equipment	RESPIRATOR: If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate respiratory protection must be provided. Respiratory protection if there is a risk of exposure to high vapour concentration (AS1715/1716). EYES: Chemical goggles or face shield (AS1715/1716). HANDS: Impervious gloves, chemical resistant gloves (AS2161). CLOTHING: Wear appropriate chemical resistant clothing (AS3765/2210).
Work Hygienic Practices	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Liquid.
Odour	No Data Available
Colour	Brown
pH	approx 1 5% aq. Soln
Vapour Pressure	0.513 torr (@ No Data Available)
Relative Vapour Density	Estimated heavier than air
Boiling Point	300 °C
Melting Point	10 °C
Freezing Point	10 °C
Solubility	7.098 mg/L
Specific Gravity	1.05 - 1.06
Flash Point	>=140 °C
Auto Ignition Temp	No Data Available
Evaporation Rate	No Data Available
Bulk Density	No Data Available
Corrosion Rate	No Data Available
Decomposition Temperature	No Data Available
Density	No Data Available
Specific Heat	No Data Available
Molecular Weight	322 g/mol
Net Propellant Weight	No Data Available
Octanol Water Coefficient	2
Particle Size	No Data Available
Partition Coefficient	No Data Available
Saturated Vapour Concentration	No Data Available
Vapour Temperature	No Data Available

Viscosity	1250 cps (@ 25 °C)
Volatile Percent	No Data Available
VOC Volume	No Data Available
Additional Characteristics	No Data Available
Potential for Dust Explosion	Product is a liquid.
Fast or Intensely Burning Characteristics	No Data Available
Flame Propagation or Burning Rate of Solid Materials	No Data Available
Non-Flammables That Could Contribute Unusual Hazards to a Fire	No Data Available
Properties That May Initiate or Contribute to Fire Intensity	No Data Available
Reactions That Release Gases or Vapours	No Data Available
Release of Invisible Flammable Vapours and Gases	No Data Available

10. STABILITY AND REACTIVITY

Chemical Stability	This material is stable under recommended storage and handling conditions.
Conditions to Avoid	Avoid heat, flames, sparks and other sources of ignitio
Materials to Avoid	Strong alkalis and oxidizing agents.
Hazardous Decomposition Products	Toxic gases will form upon combustion. Flammable Liquid may release vapors that form flammable mixtures when temperatures are at or above the flash point. Toxic gases will form upon combustion. Oxidization of carbon - carbon dioxide, carbon monoxide, Sodium oxide, sulfur oxides. Emit toxic gases when heated to decomposition.
Hazardous Polymerisation	Will not occur.

11. TOXICOLOGICAL INFORMATION

General Information	<p>Information on the likely routes of exposure</p> <p>Respiratory system : burn</p> <p>Oral : burn</p> <p>Eye : burn</p> <p>Skin : burn</p> <p>Delayed and immediate effects and chronic effects form short or long term exposure</p> <p>Acute toxicity:</p> <p>Oral LD50 Rat: 1350 mg/kg (OECD TG 401)</p> <p>Oral LD50 Rat : 1260 mg/Kg (Supplier)</p> <p>Skin LD50 Rat: 530 ~ 1060 mg /Kg</p> <p>Skin corrosion/irritation : Corrosion, Rabbit, OECD, TG 404</p> <p>Serious eye damage/ eye irritation : Corrosion, Rabbit, OECD, TG 404</p> <p>Skin sensitization : Non-sensitizing, guinea-pig, Maximization test</p> <p>Germ cell mutagenicity : Negative, in vitro bacterial reverse mutation test (Salmonella typhimurium TA 98, 100, 1535, 1537, 1538)</p>
Ingestion	Harmful if swallowed
EyeIrritant	Causes severe eye damage.
SkinIrritant	Toxic in contact with skin. Causes severe skin burns.
Carcinogen Category	No Data Available

12. ECOLOGICAL INFORMATION

Ecotoxicity	Fish : LC50 3mg/L 96hr Oncorhynchus mykiss Daphnia : EC50 2.9mg/L 48hr Daphnia magna Algae : EC50 170 mg/L 96 h Redisual : log Kow 2
Persistence/Degradability	Persistence : log Kow 2 90% of product can biodegrade.
Mobility	Mobility in soil: Koc 1064
Environmental Fate	No Data Available
Bioaccumulation Potential	Accumulation : BCF 3. 16 Biodegradability : 80(%) 28 day (OECD TG 301 B)
Environmental Impact	No Data Available

13. DISPOSAL CONSIDERATIONS

General Information	Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.
Special Precautions for Land Fill	Contact a specialist disposal company or the local waste regulator for advice.

14. TRANSPORT INFORMATION

Land Transport (Australia)

ADG Code

Proper Shipping Name	ALKYLSULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid
Class	8 Corrosive Substances
Subsidiary Risk(s)	C1 Combustible Liquids - Flash point 61 - 150 °C
EPG	36 Toxic And/Or Corrosive Substances Combustible
UN Number	2586
Hazchem	2X
Pack Group	III
Special Provision	No Data Available

Land Transport (Canada)

TDG Regulations

Proper Shipping Name	ALKYLSULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid
Class	8 Corrosive Substances
Subsidiary Risk(s)	No Data Available
EPG	36 Toxic And/Or Corrosive Substances Combustible
UN Number	2586
Hazchem	2X
Pack Group	III
Special Provision	No Data Available

Land Transport (Fiji)

Proper Shipping Name	ALKYLSULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid
Class	8 Corrosive Substances
Subsidiary Risk(s)	No Data Available
EPG	36 Toxic And/Or Corrosive Substances Combustible
UN Number	2586
Hazchem	2X
Pack Group	III
Special Provision	No Data Available

Land Transport (New Zealand)

NZS5433

Proper Shipping Name	ALKYLSULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid
Class	8 Corrosive Substances
Subsidiary Risk(s)	No Data Available
EPG	36 Toxic And/Or Corrosive Substances Combustible
UN Number	2586
Hazchem	2X
Pack Group	III
Special Provision	No Data Available

Land Transport (Papua New Guinea)

Proper Shipping Name	ALKYLSULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid
Class	8 Corrosive Substances
Subsidiary Risk(s)	No Data Available
EPG	36 Toxic And/Or Corrosive Substances Combustible
UN Number	2586
Hazchem	2X
Pack Group	III
Special Provision	No Data Available

Land Transport (United States of America)

US DOT

Proper Shipping Name	ALKYLSULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid
Class	8 Corrosive Substances
Subsidiary Risk(s)	No Data Available
ERG	153 Substances - Toxic and/or Corrosive (Combustible)
UN Number	2586
Hazchem	2X
Pack Group	III
Special Provision	No Data Available

Sea Transport

IMDG Code

Proper Shipping Name	ALKYLSULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid
Class	8 Corrosive Substances
Subsidiary Risk(s)	No Data Available
UN Number	2586
Hazchem	2X
Pack Group	III

Special Provision	No Data Available
EMS	FA,SB
Marine Pollutant	No

Air Transport

IATA DGR

Proper Shipping Name	ALKYLSULPHONIC ACIDS, LIQUID with 5% or less free sulphuric acid
Class	8 Corrosive Substances
Subsidiary Risk(s)	No Data Available
UN Number	2586
Hazchem	2X
Pack Group	III
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 & Rail (ADG Code)
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15. REGULATORY INFORMATION

General Information	No Data Available
Poisons Schedule (Aust)	No Data Available

Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

Approval Code	HSR002595
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National/Regional Inventories

Australia (AICS)	Listed
Canada (DSL)	Listed
Canada (NDSL)	Not Determined
China (IECSC)	Listed
Europe (EINECS)	Not Determined
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)	Listed

16. OTHER INFORMATION

Related Product Codes	DOBENC1000, DOBENC1100, DOBENZ1000, DOBENZ1001, DOBENZ1002, DOBENZ1003, DOBENZ1004, DOBENZ1005, DOBENZ1006, DOBENZ1007, DOBENZ1008, DOBENZ1009, DOBENZ1010, DOBENZ1011, DOBENZ1012, DOBENZ1500, DOBENZ1501, DOBENZ2500, DOBENZ2501, DOBENZ3000, DOBENZ3300, DOBENZ3400, DOBENZ3500, DOBENZ3600, DOBENZ4000, DOBENZ5000, DOBENZ5100, DOBENZ5200, DOBENZ5201, DOBENZ5500, DOBENZ5600, DOBENZ6001, DOBENZ6002, DOBENZ6200, DOBENZ6300, DOBENZ6500, DOBENZ6600, DOBENZ6700, DOBENZ6900, DOBENZ7000, DOBENZ7001, DOBENZ7100, DOBENZ7200, DOBENZ7700, DOBENZ7800, DOBENZ8000, DOBENZ8001, DOBENZ8002, DOBENZ8003, DOBENZ8004, DOBENZ8005, DOBENZ8006, DOBENZ8007, DOBENZ8008, DOBENZ8009, DOBENZ8010, DOBENZ8011, DOBENZ8012, DOBENZ8013, DOBENZ8014, DOBENZ8015, DOBENZ8016, DOBENZ8017, DOBENZ8018, DOBENZ8019, DOBENZ8020, DOBENZ8021, DOBENZ8022, DOBENZ8023, DOBENZ8024, DOBENZ8025, DOBENZ8026, DOBENZ8500, DOBENZ8700, DOBENZ9000, DOBENZ9500, DOBENZ9600, DOBENZ9700, DOBENZ9701, DOBENZ9702, DOBENZ9703, DOBENZ9704, DOBENZ9705, DOBENZ9706, DOBENZ9707, DOBENZ9708, DOBENZ9709, DOBENZ9800, DOBENZ9801, DOBENZ9900, DOBENZ1800, DOBENZ1801, DOBENZ1802, DOBENZ1803, DOBENZ1804, DOBENZ1805, DOBENZ1806, DOBENZ1807, DOBENZ1808, DOBENZ1809, DOBENZ1810, DOBENZ1811, DOBENZ1812, DOBENZ1813, DOBENZ1814, DOBENZ1815, DOBENZ1816, DOBENZ1817, DOBENZ1818, DOBENZ1819, DOBENZ1820, DOBENZ9100, DOBENZ9101, DOBENZ6800, DOBENZ6801, DOBENZ2100, DOBENZ2101, DOBENZ2110, DOBENZ1821, DOBENZ2105, DOBENZ6811, DOBENZ0100, DOBENZ6802, DOBENZ2108, DOBENZ3010, DOBENZ3020, DOBENZ3030, DOBENZ3031, DOBENZ3040, DOBENZ2102, DOBENZ7002, DOBENZ2103, DOBENZ1021, DOBENZ9710, DOBENZ9711, DOBENZ8200, DOBENZ8210, DOBENZ7003, DOBENZ9802, DOBENZ9712, DOBENZ1014, DOBENZ1013, DOBENZ1015, DOBENZ4100, DOBENZ4110, DOBENZ2600
Revision	3
Revision Date	31 Oct 2013
Key/Legend	<p>< Less Than > Greater Than AICS Australian Inventory of Chemical Substances atm Atmosphere CAS Chemical Abstracts Service (Registry Number) cm² Square Centimetres CO₂ 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/cm³ Grams per Cubic Centimetre g/l Grams per Litre HSNO Hazardous Substance and New Organism IDLH Immediately Dangerous to Life and Health immiscible Liquids are insoluable in each other. inHg Inch of Mercury inH₂O Inch of Water K Kelvin kg Kilogram kg/m³ Kilograms per Cubic Metre lb Pound LC50 LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours. LD50 LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals. ltr or L Litre m³ Cubic Metre mbar Millibar mg Milligram mg/24H Milligrams per 24 Hours mg/kg Milligrams per Kilogram</p>

mg/m³ Milligrams per Cubic Metre
Misc or **Miscible** Liquids form one homogeneous liquid phase regardless of the amount of either component present.
mm Millimetre
mmH₂O Millimetres of Water
mPa.s Millipascals per Second
N/A Not Applicable
NIOSH National Institute for Occupational Safety and Health
NOHSC National Occupational Health and Safety Commission
OECD Organisation for Economic Co-operation and Development
Oz Ounce
PEL Permissible Exposure Limit
Pa Pascal
ppb Parts per Billion
ppm Parts per Million
ppm/2h Parts per Million per 2 Hours
ppm/6h Parts per Million per 6 Hours
psi Pounds per Square Inch
R Rankine
RCP Reciprocal Calculation Procedure
STEL Short Term Exposure Limit
TLV Threshold Limit Value
tne Tonne
TWA Time Weighted Average
ug/24H Micrograms per 24 Hours
UN United Nations
wt Weight