

1. IDENTIFICATION

Product Name	Sodium Hydrosulphide Solution
Other Names	Sodium Bisulfide Solution; Sodium Mercaptan; Sodium Sulfhydrate Solution; SODIUM SULFIDE (Na(SH))
Uses	No Data Available
Chemical Family	No Data Available
Chemical Formula	HNaS
Chemical Name	Sodium Hydrosulphide Solution
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) Not scheduled

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 1B Serious Eye Damage/Irritation - Category 1

Pictograms



Signal Word Danger

Hazard Statements	AUH031	Contact with acids liberates toxic gas
	H290	May be corrosive to metals.
	H302	Harmful if swallowed.
	H311	Toxic in contact with skin.
	H314	Causes severe skin burns and eye damage.

Precautionary Statements	Prevention	P234	Keep only in original container.
		P260	Do not breathe mist/vapour/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 First Aid Measures on Safety Data Sheet).
		P361	Remove/Take off immediately all contaminated clothing.
		P363	Wash contaminated clothing before reuse.
		P390	Absorb spillage to prevent material damage.
	Storage	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)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Water	No Data Available	7732-18-5	54 - 79 %
Sodium Hydrosulphide	No Data Available	16721-80-5	18 - 45 %
Sodium Carbonate	No Data Available	497-19-8	<3 %
Sodium Sulphide	No Data Available	1313-82-2	<1 %

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure

Swallowed	Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek immediate medical assistance.
Eye	Immediately wash in and around the eye area with large amounts of water for at least 15 minutes. Eyelids to be held apart. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport promptly to hospital or medical centre.
Skin	If spilt on large areas of skin or hair, immediately drench with running water and remove clothing. Continue to wash skin and hair with plenty of water (and soap if material is insoluble) until advised to stop by the Poisons Information Centre or a doctor.
Inhaled	Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If patient finds breathing difficult and develops a bluish discoloration of the skin (which suggests a lack of oxygen in the blood - cyanosis), ensure airways are clear of any obstruction and have a qualified person give oxygen through a face mask. Apply artificial respiration if patient is not breathing. Seek immediate medical advice.
Advice to Doctor	Treat symptomatically based on judgement of doctor and individual reactions of patient. Contact causes caustic burns. Treat ingestion as hydrogen sulfide gas poisoning in addition to caustic burns.
Medical Conditions Aggravated by Exposure	No information available on medical conditions aggravated by exposure to this product. Chronic acute exposures to vapours may cause neurologic deficits like those in survivors of other severe asphyxiant poisonings. Routes of Entry: Ingestion, skin absorption, and possibly inhalation.

5. FIRE FIGHTING MEASURES

General Measures	Because of the possible presence of toxic gases and the corrosive nature of the product, 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. 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.
Flammability Conditions	Non Product is a non-flammable liquid. However, if exposed to heat or acids, flammable hydrogen sulphide will be released and may form explosive mixtures with air. Dilution of NaHS with water will increase the evolution of hydrogen sulphide. FLAMMABLE LIMITS Hydrogen sulphide LFL: 4% UFL: 44%
Extinguishing Media	In case of fire, appropriate extinguishing media include water spray or foam or as appropriate for combustibles involved in a fire. Do NOT use carbon dioxide fire extinguishers because toxic hydrogen sulfide gas will be liberated from this product. Use water in flooding quantities. A heavy fog of water may be effective in knocking down vapors. Keep containers/storage vessels in fire area cooled with water spray.
Fire and Explosion Hazard	Solution is non-flammable. However if these solutions are exposed to heat or acids, hydrogen sulfide will be released and may form explosive mixtures with air.
Hazardous Products of Combustion	Heating this product will evolve hydrogen sulfide. Fire conditions will also cause the production of sulfur dioxide. Hydrogen sulfide (4-44%) may form flammable mixtures with air. Heating to decomposition emits toxic fumes of sulfoxides and Na ₂ O. 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

Special Fire Fighting Instructions	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. Please note: Structural fire fighters uniform will provide limited protection.
Flash Point	No Data Available
Lower Explosion Limit	4 %
Upper Explosion Limit	46 %
Auto Ignition Temperature	No Data Available
Hazchem Code	2X

6. ACCIDENTAL RELEASE MEASURES

General Response Procedure	Avoid accidents, clean up immediately. May be slippery when spilt. Eliminate all sources of ignition. Increase ventilation. Isolate the danger area. Use clean, non-sparking tools and equipment. Shut off all possible sources if ignition.
Clean Up Procedures	Avoid generating mist and keep this product away from acids. Soak up spilled product using absorbent non-combustible material such as sand or soil. Avoid using sawdust or cellulose. When saturated collect material, transfer to suitable, labelled, dry chemical-waste containers and dispose of promptly as hazardous waste. Oxidize residual reactive sulphides with a weak (3-5%) hydrogen peroxide solution to stop the release of toxic hydrogen sulphide. Remove contaminated soil and dispose of in accordance with all governmental regulations. For large releases, recover as much of the solution as possible. Mix solution with dilute excess hydrogen peroxide to oxidize sulphide and eliminate danger of hydrogen sulphide evolution.
Containment	Stop leak if safe to do so.
Decontamination	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.
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. Dilute product only in enclosed containers. Use only in a well ventilated area. Wear proper protective equipment as listed in section 8. Avoid breathing product vapours. Avoid contact with skin and eyes. Put a vapour trap or scrubber on tank vent. Poison hydrogen sulphide gas will be present in the vapour space above sodium hydrosulphide solution. Do not enter tanks or other vessels unless self contained breathing apparatus (SCBA) is used Dilution of Sodium Hydrosulphide with water will cause increased evolution of hydrogen sulphide gas. Hydrogen sulphide gas can accumulate in confined spaces above the liquid. It forms flammable mixtures with air from about 4% vapour up to about 45%. IMPORTANT: Sodium hydrosulphide solution is not compatible with copper, zinc, aluminium or their alloys (i.e. bronze, brass, galvanized metals, etc). Corrosive to steel above 65.5°C. These materials of construction should not be used in handling systems or storage containers for this product.
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. Protect from sources of heat or flame. Do not store combustibles in the area of storage vessels. Store tote and smaller containers out of direct sunlight at moderate temperatures (27°C). Do not store in contact with copper, zinc, or aluminium. This product has a UN classification of 2922 Dangerous Goods Class 8 (Corrosive), and Subsidiary Risk 6.1 (Toxic) according to the Australian Code for the Transport of Dangerous Goods By Road by Road and Rail.
Container	Packaging must comply with requirements of Hazardous Substances (Packaging) Regulations 2001. Store in original packaging as approved by manufacturer. Sodium hydrosulphide solution is not compatible with copper, zinc, aluminium or their alloys (i.e. bronze, brass, galvanized metals, etc.). Corrosive to steel above 65.5°C. T These materials of construction should not be used in handling systems or storage containers for this product. Preferred material of construction for storage tanks is stainless steel; however, carbon steel is acceptable.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General	<p>No exposure standard has been established for this product by the Australian Safety and Compensation Council (ASCC), however the following is available for decomposition product: Hydrogen Sulphide CAS 7783-06-4: TWA = 10ppm (14mg/m³) STEL = 15ppm (21mg/m³)</p> <p>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. 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.</p>
Exposure Limits	No Data Available
Biological Limits	No information available on biological limit values for this product.
Engineering Measures	<p>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.</p> <p>Adequate ventilation should be provided so that exposure limits are not exceeded. Where feasible scrub process or storage vessel vapors with caustic solution. Maintain eyewash/safety shower in areas where chemical is handled.</p>
Personal Protection Equipment	<p>RESPIRATOR: If working near open container, storage vessel opening or open tank truck dome cover, wear self-contained breathing apparatus, pressure demand, if engineering controls are inadequate (AS1715/1716).</p> <p>EYES: Chemical goggles and a full face shield to prevent splashing in the eyes (AS1336/1337).</p> <p>HANDS: Neoprene rubber gloves (AS2161).</p> <p>CLOTHING: Chemical suit and boots should be worn to prevent contact with the liquid (AS3765/2210).</p> <p>NOTE: Wash contaminated clothing prior to reuse. Contaminated leather shoes cannot be cleaned and should be discarded.</p>
Work Hygienic Practices	Wash contaminated clothing prior to reuse. Contaminated leather shoes cannot be cleaned and should be discarded.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Liquid
Odour	Hydrogen sulfide (rotten egg), hydrocarbon (mercaptan) odour.
Colour	May be yellow to red, to dark green to black liquid.
pH	11.5 - 12.5
Vapour Pressure	17 torr (@ 20 °C)
Relative Vapour Density	1.17 Air = 1
Boiling Point	122.8 - 131.7 °C
Melting Point	No Data Available
Freezing Point	-17.8 (20%) - 16.6 (49%) °C
Solubility	Complete Solubility 25°C
Specific Gravity	1.152 - 1.303
Flash Point	No Data Available
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	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	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	Reacts upon heating and in contact with acids generating flammable hydrogen sulfide gas.
Release of Invisible Flammable Vapours and Gases	No Data Available

10. STABILITY AND REACTIVITY

General Information	Corrosive Liquid. Reacts with acids liberating toxic gas. Corrosive to steel above 65.5°C. Reacts with acids. Reacts violently with diazonium salts.
Chemical Stability	Product is stable under normal conditions of use, storage and temperature.
Conditions to Avoid	Avoid excessive heat, direct sunlight, moisture, freezing, static charges and high temperatures.
Materials to Avoid	Incompatible with strong oxidisers, acids, strong alkalis, diazonium salts, copper, zinc, aluminium or their alloys (i.e., bronze, brass, galvanised metals, etc), water, and the material is corrosive to steel above 65.5°C.
Hazardous Decomposition Products	Poison, flammable hydrogen sulphide gas will be evolved from this product on exposure to acid or excessive heat and may form explosive mixtures with air. Poisonous sulphur dioxide gas will be generated if the vapours from this product burn. Dilution of this product with water will increase the evolution of hydrogen sulphide. Heating to decomposition or exposure to fire conditions may generate sulfoxides, sulphur dioxide, and sodium oxide.
Hazardous Polymerisation	Hazardous polymerization will not occur. Acids will cause the release of highly toxic hydrogen sulphide. Reacts violently with diazonium salts. Sodium hydrosulphide solution is not compatible with copper, zinc, aluminium or their alloys (i.e. bronze, brass, galvanized metals, etc.). Corrosive to steel above 65.5°C. These materials of construction should not be used in handling systems or storage containers for this product. Dilution of NaHS with water will increase the evolution of hydrogen sulphide. Dilution should be done in an enclosed container. Mixing with strong alkalis may form solid, hydrated sodium sulphide.

11. TOXICOLOGICAL INFORMATION

General Information	N Oral LDLo Human : Reported to be 50mg/Kg (Na2S) Equivalent to 163mg/Kg for this product (based on sulphur content) Inhalation LCLo Human : 600ppm for 30 minutes for Hydrogen sulphide; Equivalent to 4500ppm of respirable mist from this product. Inhalation LC50 Rat : 444ppm (Hydrogen Sulphide) Inhalation LC50 Mouse : 1500mg/m ³ /18mins (1.5mg/L/18mins) Inhalation LC50 Rat : 500mg/m ³ /14mins (1.5mg/L/14mins)
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EyeIrritant	A severe eye irritant.. Eye contact will cause marked eye irritation and possibly severe corneal damage. Alkali burns to conjunctiva and cornea with possible irreversible destruction of tissue. Chronic Eye Contact will result in Extreme irritation to the eyes caused by vapour or mist; corneal opacity. Corrosive due to the product's alkalinity. Contamination of eyes can result in permanent injury.
Ingestion	Causes severe burns. Ingestion will result in severe burning and corrosion of mouth, throat and the gastrointestinal tract. Destruction of the lining of the esophagus and stomach. Rapid breathing, confusion, unconsciousness, paralysis of respiratory muscles leading to death. Chronic Ingestion may result in head- ache, nausea, dizziness, confusion, and painful alkali burns to the esophagus. If the ingested material contacts stomach acid, highly toxic hydrogen sulfide gas will be evolved.
Inhalation	Harmful by inhalation. Acute Inhalation causes severe respiratory distress because of corrosivity. Hydrogen sulfide gas, produced if this product contacts acid, causes eye irritation, headache, dizziness, confusion, weakness of the extremities, unconsciousness, pulmonary edema, asphyxiation, and central respiratory paralysis leading to death. Chronic inhalation will result in Extreme irritation to respiratory passages.
SkinIrritant	Causes severe burns. Chemical burns result from contact with liquid or mist. Acute Skin Contact will result in Painful chemical burns. Systemic poisoning by sulphide causes headache, nausea, dizziness, confusion, weakness of the extremities, and possible unconsciousness. Chronic Skin Contact will result in Extreme irritation to skin. Prolonged contact will result in corrosion of the skin. Corrosive to skin due to the product's alkalinity. May be toxic when absorbed through the skin.
Carcinogen Category	No Data Available

12. ECOLOGICAL INFORMATION

Ecotoxicity	Static acute 96 hour-LC50 for mosquito fish is 206 mg/L. (Tlm - fresh water) LC50 fly inhalation 1,500 mg/m3, 7 minutes TLm Gammarus 0.84 mg/L, 96 hours (hydrogen sulfide) TLm Ephemera 0.316 mg/L, 96 hours (hydrogen sulfide) TLm Flathead minnow 0.071 – 0.55 mg/L @ 6-24°C, 96 hour flow through bioassay (hydrogen sulfide) TLm Bluegill 0.0090 – 0.0140 mg/L @ 20-22°C, 96 hour flow through bioassay (hydrogen sulfide) TLm Brook trout 0.0216 – 0.0308 mg/L @ 8-12.5°C, 96 hour flow through bioassay (hydrogen sulfide)
Persistence/Degradability	No information available on persistence/degradability for this product.
Mobility	DISTRIBUTION: All components of this product are found naturally in all ecosystems.
Environmental Fate	Do NOT let product reach waterways, drains and sewers. CHEMICAL FATE: With dilution, the sulfide will be readily incorporated into the preexisting natural sulfur cycle.
Bioaccumulation Potential	No information available on bioaccumulation potential for this product.
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. Waste containing sulfide may be hazardous and may require disposal in an approved hazardous waste landfill. Sulfide can be oxidized with dilute hydrogen peroxide or any other oxidizing agent to non-hazardous sulfate; care should be taken as the reaction may be violent.

14. TRANSPORT INFORMATION

Land Transport (Australia)

ADG Code

Proper Shipping Name	CORROSIVE LIQUID, TOXIC, N.O.S.(Sodium Hydrosulphide Solution)
Class	8 Corrosive Substances

Subsidiary Risk(s)	6.1 Toxic and Infectious Substances - Toxic Substances
EPG	37 Toxic And/Or Corrosive Substances Non-Combustible
UN Number	2922
Hazchem	2X
Pack Group	II
Special Provision	No Data Available

Land Transport (Malaysia)

ADR

Proper Shipping Name	CORROSIVE LIQUID, TOXIC, N.O.S.(Sodium Hydrosulphide Solution)
Class	8 Corrosive Substances
Subsidiary Risk(s)	6.1 Toxic and Infectious Substances - Toxic Substances
EPG	37 Toxic And/Or Corrosive Substances Non-Combustible
UN Number	2922
Hazchem	2X
Pack Group	II
Special Provision	No Data Available

Land Transport (New Zealand)

NZS5433

Proper Shipping Name	CORROSIVE LIQUID, TOXIC, N.O.S.(Sodium Hydrosulphide Solution)
Class	8 Corrosive Substances
Subsidiary Risk(s)	6.1 Toxic and Infectious Substances - Toxic Substances
EPG	37 Toxic And/Or Corrosive Substances Non-Combustible
UN Number	2922
Hazchem	2X
Pack Group	II
Special Provision	No Data Available

Land Transport (United States of America)

US DOT

Proper Shipping Name	CORROSIVE LIQUID, TOXIC, N.O.S.(Sodium Hydrosulphide Solution)
Class	8 Corrosive Substances
Subsidiary Risk(s)	6.1 Toxic and Infectious Substances - Toxic Substances
ERG	154 Substances - Toxic and/or Corrosive (Non-Combustible)
UN Number	2922
Hazchem	No Data Available
Pack Group	II
Special Provision	No Data Available

Sea Transport

IMDG Code

Proper Shipping Name	CORROSIVE LIQUID, TOXIC, N.O.S.(Sodium Hydrosulphide Solution)
Class	8 Corrosive Substances
Subsidiary Risk(s)	6.1 Toxic and Infectious Substances - Toxic Substances
UN Number	2922
Hazchem	No Data Available
Pack Group	II
Special Provision	No Data Available
EMS	FA,SB

Marine Pollutant	No
Air Transport	
IATA DGR	
Proper Shipping Name	CORROSIVE LIQUID, TOXIC, N.O.S.(Sodium Hydrosulphide Solution)
Class	8 Corrosive Substances
Subsidiary Risk(s)	6.1 Toxic and Infectious Substances - Toxic Substances
UN Number	2922
Hazchem	No Data Available
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 & Rail (ADG Code)
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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
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National/Regional Inventories

Australia (AICS)	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 (EHS Register)	Not Determined
New Zealand (NZIoC)	Not Determined
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	SOHYDL1000, SOHYDL2000, SOHYDL2001, SOHYDL2500, SOHYDL3000, SOHYDL3001, SOHYDL3500, SOHYDL3550, SOHYDL4200, SOHYDL5000, SOHYDL5001, SOHYDL5002, SOHYDL5010, SOHYDL5020, SOHYDL5021, SOHYDL5030, SOHYDL6000, SOHYDL7000, SOHYDL7001, SOHYDL7500, SOHYDL8000, SOHYDL8001, SOHYDL8500, SOHYDL9000
Revision	4
Revision Date	03 Jun 2016
Reason for Issue	update sds
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 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</p>

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