

Infosafe No™ 1CHIM      Issue Date : January 2021      RE-ISSUED by CHEMSUPP

Product Name **HEXAN-1-OL**

Classified as hazardous

## 1. Identification

**GHS Product Identifier**      HEXAN-1-OL

**Company Name**      CHEMSUPPLY AUSTRALIA PTY LTD (ABN 19 008 264 211)

**Address**      38 - 50 Bedford Street GILLMAN  
SA 5013 Australia

**Telephone/Fax Number**      Tel: (08) 8440-2000

**Emergency phone number**      CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)

**E-mail Address**      www.chemsupply.com.au

**Recommended use of the chemical and restrictions on use**      Pharmaceuticals (introduction of hexyl group into hyponotics, antiseptics, perfume esters) solbent, placticizer, intermediate for textile and leather finishing agents, synthetic flavouring agent and laboratory agent.

<b>Other Names</b>	<u><b>Name</b></u>	<u><b>Product Code</b></u>
	HEXAN-1-OL LR	HL010
	n-Hexanol, 1-Hexanol, n-Hexyl alcohol	

### Other Information

ChemSupply Australia Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon ChemSupply Australia Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of ChemSupply Australia Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

## 2. Hazard Identification

**GHS classification of the substance/mixture**      Acute Toxicity - Dermal: Category 4  
Eye Damage/Irritation: Category 2A  
Flammable Liquids: Category 3  
Acute Toxicity - Oral: Category 4

**Signal Word (s)**      WARNING

**Hazard Statement (s)**      H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H319 Causes serious eye irritation.

**Pictogram (s)**      Flame, Exclamation mark



### Precautionary statement – Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting/.../equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

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**Precautionary**

**statement – Response** P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P330 Rinse mouth.  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P363 Wash contaminated clothing before reuse.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/attention.  
P370+P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.  
P403+P235 Store in a well-ventilated place. Keep cool.

**Precautionary statement – Storage**

**Precautionary statement – Disposal** P501 Dispose of contents/container to an approved waste disposal plant.

**3. Composition/information on ingredients**

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Hexan-1-ol	111-27-3	100 %

**4. First-aid measures**

**Inhalation** If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

**Ingestion** Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek immediate medical advice.

**Skin** Wash affected areas with copious quantities of water immediately. Remove contaminated clothing and wash before re-use. If persistent irritation occurs, obtain medical attention.

**Eye contact** Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical attention.

**First Aid Facilities** Maintain eyewash fountain and safety shower in work area.

**Advice to Doctor** Treat symptomatically based on judgement of doctor and individual reactions of the patient.

**Other Information** For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor.

**5. Fire-fighting measures**

**Hazards from Combustion Products** Aldehydes and oxides of carbon.

**Specific Methods** Small fire: Use foam, dry chemical, CO2 or water spray.  
Large fire: Use foam, fog or water spray - Do not use water jets.  
If safe to do so, move undamaged containers from fire area. Cool containers with flooding quantities of water until well after the fire is out. Avoid getting water inside containers.

**Specific hazards arising from the chemical** May be ignited by heat, sparks or flame. Vapour may form explosive mixtures with air. Vapour may travel to source of ignition and flash back. Vapours are heavier than air and will collect in low or confined areas (drains, basements, tanks). Liquids is lighter than water. Containers may explode when heated. Vapours from runoff may create explosion hazard. Fire will produce irritating, poisonous and/or corrosive gases.

**Hazchem Code** 3Y

**Precautions in connection with Fire** Wear SCBA and fully-encapsulating, gas-tight suit when handling these substances. Structural firefighter's uniform is NOT effective for these materials.

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## 6. Accidental release measures

<b>Spills &amp; Disposal</b>	ELIMINATE all ignition sources (no smoking, flares, sparks or flames) within at least 25m - All equipment used when handling the product must be earthed. Do not touch or walk through spilled material. Stop leak if safe to do so - Prevent entry into waterways, drains or confined areas. Vapour-suppressing foam may be used to control vapours - Water spray may be used to knock down or divert vapour clouds. Absorb with earth, sand or other non-combustible material. Use clean, non-sparking tools to collect absorbed material and place it into loosely-covered metal or plastic containers for later disposal. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
<b>Personal Precautions</b>	Evacuate the area of all non-essential personnel. Remove ignition sources. Avoid inhalation, contact with skin, eyes and clothing.
<b>Personal Protection</b>	Wear protective clothing specified for normal operations (see Section 8)
<b>Clean-up Methods - Small Spillages</b>	Absorb or contain liquid with sand, earth or spill control material. Shovel up using non sparking tools and place in a labelled, sealable container for subsequent safe disposal. Put leaking containers in a labelled drum or overdrum.
<b>Clean-up Methods - Large Spillages</b>	Seek expert advice on handling and disposal.

## 7. Handling and storage

<b>Precautions for Safe Handling</b>	Do not breathe vapour. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.
<b>Conditions for safe storage, including any incompatibilities</b>	Store away from oxidizing agents. Keep containers securely sealed and protected against physical damage. Outside or detached storage is preferred. Inside storage should be in a standard flammable liquids storage room or cabinet. Areas where a build up of flammable vapours may occur must be designated no smoking areas. Inert gas blanket and breathing system is needed to maintain color stability. Use dry inert gas having at least -40F dew point. Keep container tightly closed and in a cool, dry, well-ventilated place, away from sources of heat or ignition. Hot water system recommended for temperature control when storage is at temperatures below melting point. Containers of this material may be hazardous when empty since they retain product residues (vapours, liquid). Observe all warnings and precautions listed for the product.
<b>Storage Regulations</b>	Refer Australian Standard AS/NZS 2243.10:2004 'Safety in laboratories - Storage of chemicals'. Refer Australian Standard AS 1940-2017 'The storage and handling of flammable and combustible liquids'.

## 8. Exposure controls/personal protection

<b>Other Exposure Information</b>	No exposure standards have been established for this product by Safe Work Australia, however, the TWA exposure standard for dusts/mists not otherwise specified is 10 mg/m <sup>3</sup> . All atmospheric contamination should be kept to as low a level as is workable. 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.
<b>Appropriate engineering controls</b>	Maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods.
<b>Respiratory Protection</b>	Where ventilation is not adequate, respiratory protection may be required. Avoid breathing vapours or mists. Select and use respirators in accordance with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. When mists or vapours exceed the exposure standards then the use of the following is recommended: Approved respirator with organic vapour and dust/mist filters. Filter capacity and respirator type depends on exposure levels.
<b>Eye Protection</b>	The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.

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<b>Hand Protection</b>	Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves - Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments. Avoid skin contact when removing gloves from hands, do not touch the gloves outer surface. Dispose of gloves as hazardous waste.
<b>Personal Protective Equipment</b>	Personal protective equipment should not solely be relied upon to control risk and should only be used when all other reasonably practicable control measures do not eliminate or sufficiently minimise risk. Guidance in selecting personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.
<b>Footwear</b>	Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.
<b>Body Protection</b>	Flame retardant antistatic protective clothing. Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.
<b>Hygiene Measures</b>	Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

## 9. Physical and chemical properties

<b>Form</b>	Liquid
<b>Appearance</b>	Colourless liquid.
<b>Odour</b>	Mild, characteristic, fruity odour.
<b>Freezing Point</b>	-52.0 °C
<b>Boiling Point</b>	157 °C
<b>Solubility in Water</b>	Slightly soluble (0.59 g/100 g water).
<b>Solubility in Organic Solvents</b>	Soluble in alcohol, acetone, benzene and ether.
<b>Specific Gravity</b>	0.82
<b>Vapour Pressure</b>	1 hPa @ 20 °C.
<b>Vapour Density (Air=1)</b>	3.5
<b>Evaporation Rate</b>	0.05
<b>Odour Threshold</b>	Detection: 0.007 - 0.01 ppm, recognition: 0.09 ppm.
<b>Viscosity</b>	0.592 mPa.s
<b>Volatile Component</b>	100%
<b>Partition Coefficient: n-octanol/water</b>	Log P (o/w): 2.03
<b>Flash Point</b>	59 °C (Closed cup), 62 °C (Open Cup).
<b>Flammability</b>	Flammable liquid.
<b>Auto-Ignition Temperature</b>	285 °C
<b>Flammable Limits - Lower</b>	1.2%
<b>Flammable Limits - Upper</b>	7.7%
<b>Molecular Weight</b>	102.18
<b>Other Information</b>	Conversion factor: 1 ppm = 4.17 mg/m <sup>3</sup> ; 1 mg/m <sup>3</sup> = 0.24 ppm @ 25 °C Refractive index: 1.1469 @ 25 °C

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## 10. Stability and reactivity

<b>Chemical Stability</b>	Stable under ordinary conditions of use and storage.
<b>Conditions to Avoid</b>	Heat, ignition sources and incompatibilities.
<b>Incompatible Materials</b>	Oxidising agents, strong acids, inorganic acids and halogens.
<b>Hazardous Decomposition Products</b>	Carbon monoxide, carbon dioxide.
<b>Possibility of hazardous reactions</b>	Increased risk of fire and explosion in contact with oxidising agents. May react vigorously with strong acids.
<b>Hazardous Polymerization</b>	Will not occur.

## 11. Toxicological Information

<b>Toxicology Information</b>	No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. If mishandled or overexposed to this product the following symptoms or effects may occur.
<b>Acute Toxicity - Oral</b>	LD50 Oral - Rat - > 200 - 2,000 mg/kg (OECD Test Guideline 401)
<b>Ingestion</b>	Harmful if swallowed. May cause headache, dizziness, confusion, nausea and vomiting. Aspiration into the lungs may occur during swallowing or vomiting, resulting in lung damage. After the absorption of large quantities may cause narcosis.
<b>Inhalation</b>	May cause headache, dizziness, nausea and loss of co-ordination. May have central nervous system effects.
<b>Skin</b>	Harmful in contact with skin. Degreasing effect on the skin, possibly followed by secondary inflammation.
<b>Eye</b>	Liquid and vapour causes serious eye irritation with redness, tearing. Splashes have caused temporary corneal damage. May cause corneal burns.
<b>Respiratory sensitisation</b>	Not classified based on available information.
<b>Skin Sensitisation</b>	Not classified based on available information.
<b>Germ cell mutagenicity</b>	Not classified based on available information.
<b>Carcinogenicity</b>	Not classified based on available information.
<b>Reproductive Toxicity</b>	Not classified based on available information.
<b>STOT-single exposure</b>	Not classified based on available information.
<b>STOT-repeated exposure</b>	Not classified based on available information.
<b>Aspiration Hazard</b>	Not classified based on available information.
<b>Chronic Effects</b>	Repeated or prolonged exposure to liquid can cause dermatitis (dry, cracked, thickened, reddened skin).
<b>Mutagenicity</b>	Not classified based on available information.

## 12. Ecological information

<b>Ecological Information</b>	No ecological problems are to be expected when the product is handled and used with due care and attention.
<b>Ecotoxicity</b>	This material is expected to be slightly toxic to aquatic life.
<b>Persistence and degradability</b>	Biological degradation: Biodegradation: 61.8%/30 d. Readily biodegradable.
<b>Environmental Fate</b>	Behaviour in environmental compartments: Distribution: Log P(o/w): 2.03

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<b>Bioaccumulative Potential</b>	No appreciable bioaccumulation is to be expected (log P(o/w) 1-3).
<b>Environmental Protection</b>	Do not allow product to enter drains, waterways or sewers.
<b>Acute Toxicity - Fish</b>	LC50 (Pimephales promelas - fathead minnow): 97 mg/l /96 h.
<b>Acute Toxicity - Daphnia</b>	EC50 (Daphnia magna): 201 mg/l /24 h.

### 13. Disposal considerations

<b>Disposal Considerations</b>	Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.
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### 14. Transport information

<b>Transport Information</b>	Dangerous Goods of Class 3 Flammable Liquids, are incompatible in a placard load with any of the following: - Class 1, Class 2.1, if both the Class 3 and Class 2.1, dangerous goods are in bulk, Class 2.3, Class 4.2, Class 5, Class 6, if the Class 3 dangerous goods are nitromethane and Class 7.
<b>U.N. Number</b>	2282
<b>UN proper shipping name</b>	HEXANOLS
<b>Transport hazard class(es)</b>	3
<b>Hazchem Code</b>	3Y
<b>Packing Group</b>	III
<b>EPG Number</b>	3A1
<b>IERG Number</b>	17

### 15. Regulatory information

<b>Regulatory Information</b>	All the constituents of this product are listed on the Australian Inventory of Chemical Substances ( AICS ), or exempted. Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
<b>Poisons Schedule</b>	Not Scheduled

### 16. Other Information

<b>Literature References</b>	'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia. National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.'. Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals'. Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand. Safe Work Australia, 'Hazardous Chemical Information System'. Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances'. Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment'.
<b>Contact Person/Point</b>	Paul McCarthy Ph. (08) 8440 2000 <b>DISCLAIMER STATEMENT:</b> All information provided in this data sheet or by our technical representatives is compiled from the best knowledge available to us. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, we make no warranty either expressed or implied, with respect to the completeness or accuracy to the information contained herein. ChemSupply Australia Pty Ltd accepts no responsibility whatsoever for its accuracy or for any results that may be obtained by customers from using the data and disclaims all liability for reliance on information provided in this data sheet or by our technical

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**Empirical Formula  
& Structural  
Formula**

representatives.

CH<sub>3</sub>(CH<sub>2</sub>)<sub>5</sub>OH

...End Of MSDS...

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