

Infosafe No™ 1CH9S Issue Date : October 2022 RE-ISSUED by CHEMSUPP

Product Name **THYMOL**

Classified as hazardous

## Section 1 - Identification

**Product Identifier** THYMOL

**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** Perfumery, mould and mildew preventive, microscopy, preservative, antioxidant (stabilizer for chloroform), flavouring, synthetic methanol and laboratory reagent.

<b>Other Names</b>	<b>Name</b>	<b>Product Code</b>
	THYMOL LR	TL022
	Thyme camphor, 3-Hydroxy-p-cymene, Thymic acid, 2-Isopropyl-5-methylphenol, Isopropyl-m-cresol	

### 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.

## Section 2 - Hazard(s) Identification

**GHS Classification of the Substance/Mixture** Hazardous to the Aquatic Environment - Long-Term Hazard: Category 2  
Acute Toxicity - Oral: Category 4  
Skin Corrosion/Irritation: Category 1B

**Signal Word** DANGER

**Hazard Statement (s)** H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H411 Toxic to aquatic life with long lasting effects.

**Pictogram (s)** Corrosion, Environment, Exclamation mark



### Precautionary Statement – Prevention

P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

### Precautionary Statement – Response

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all

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contaminated clothing. Rinse skin with water/shower.  
P363 Wash contaminated clothing before reuse.  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P391 Collect spillage.  
P405 Store locked up.

**Precautionary Statement – Storage**

**Precautionary Statement – Disposal** P501 Dispose of contents/container according to local, state and federal regulations.

### Section 3 - Composition and Information on Ingredients

Ingredients	Name	CAS	Proportion
	Thymol	89-83-8	100 %

### Section 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. Consult a physician.

**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 area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.

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

**First Aid Facilities** Maintain eyewash fountain and drench facilities 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.

### Section 5 - Firefighting Measures

**Hazards from Combustion Products** Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

**Specific Methods** Small fire: Use dry chemical, CO2 or water spray. If safe to do so, move undamaged containers from fire area.  
Large fire: Use dry chemical, CO2, foam or water spray - Do not use water jets.  
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 burn but do not ignite readily. Containers may explode when heated. When heated, vapours may form explosive mixtures with air. Runoff may pollute waterways. Fire will produce irritating, poisonous and/or corrosive gases.

**Hazchem Code** 2X

**Precautions in connection with Fire** Wear SCBA and chemical splash suit. Fully-encapsulating, gas-tight suits should be worn for maximum protection. Structural firefighter's uniform is NOT effective for these materials.

### Section 6 - Accidental Release Measures

**Personal Precautions** Avoid substance contact. Avoid generation of dusts: do not inhale dusts. Ensure supply of fresh air in enclosed rooms.

**Personal Protection** Wear protective clothing specified for normal operations (see Section 8)

**Clean-up Methods - Small Spillages** Sweep up (avoid generating dust) and using clean non-sparking tools transfer to a clean, suitable, clearly labelled container for disposal in accordance

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with local regulations.

## Section 7 - Handling and Storage

<b>Precautions for Safe Handling</b>	Avoid ingestion and inhalation of dust. Avoid contact with eyes, skin, or clothing. Avoid prolonged or repeated exposure. Minimize dust generation and accumulation. Keep container tightly closed. Use only in a well-ventilated area. In case of insufficient ventilation, wear suitable respiratory equipment. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Discard contaminated shoes. Protect against physical damage. Keep away from incompatibles such as oxidizing agents, alkalis.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in tightly closed containers, in a cool, dry, well-ventilated area away from incompatible substances. Protect against physical damage, direct sunlight and moisture. Protect from sources of light. Isolate from any source of heat or ignition. Ground all equipment containing material. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents and strong bases. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.
<b>Storage Regulations</b>	Refer Australian Standard AS 3780-1994 'The storage and handling of corrosive substances'.
<b>Storage Temperatures</b>	Store at room temperature (15 to 25 °C recommended).

## Section 8 - Exposure Controls and Personal Protection

<b>Other Exposure Information</b>	A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Safe Work Australia for this product. There is a blanket limit of 10 mg/m <sup>3</sup> for dusts when limits have not otherwise been established.
<b>Engineering Controls</b>	In industrial situations 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 dust, vapours or mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.
<b>Eye and Face 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.
<b>Hand Protection</b>	Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance. 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>	Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken.
<b>Body Protection</b>	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.

## Section 9 - Physical and Chemical Properties

<b>Form</b>	Solid
<b>Appearance</b>	Colourless crystals or small granules or white crystalline powder.

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<b>Odour</b>	Characteristic weak aromatic or phenolic odour; pungent spicy-herbal odour, slightly medicinal odour reminiscent of thyme.
<b>Melting Point</b>	49.0 - 51.0 °C (but when melted it remains liquid at considerably lower temperature).
<b>Boiling Point</b>	232 - 233 °C
<b>Solubility in Water</b>	Very slightly soluble in cold water (1 g/1000 ml water @ 25 °C, 0.098 g in 100 g at 25 °C; 900 mg/l @ 20 °C).
<b>Solubility in Organic Solvents</b>	Soluble in alcohol, carbon disulfide, chloroform, ether, glacial acetic acid, fixed or volatile oils. Slightly soluble in glycerol.
<b>Specific Gravity</b>	0.9699 @ 25 °C/4 °C
<b>pH</b>	5-7 (50g/l H <sub>2</sub> O); 7 (1 g/l).
<b>Vapour Pressure</b>	1 hPa at 64°C
<b>Relative Vapour Density (Air=1)</b>	5.2
<b>Odour Threshold</b>	0.05 mg/l in aqueous solution (detection)
<b>Partition Coefficient: n-octanol/water (log value)</b>	log P(o/w): 3.3
<b>Flash Point</b>	102 - 110 °C (CC); 104 - 107.78 °C (OC).
<b>Flammability</b>	Combustible.
<b>Auto-ignition Temperature</b>	283 °C
<b>Flammable Limits - Lower</b>	1.4%
<b>Explosion Properties</b>	Not an explosion hazard under normal conditions of storage and use, but fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
<b>Molecular Weight</b>	150.22
<b>Other Information</b>	CONVERSION FACTOR: 1 ppm = 6.13 mg/m <sup>3</sup>

## Section 10 - Stability and Reactivity

<b>Reactivity</b>	Forms explosive mixtures with air on intense heating.
<b>Chemical Stability</b>	Stable under ordinary conditions of use and storage. Light sensitive.
<b>Possibility of Hazardous Reactions</b>	Reactive with oxidizing agents, alkalis.
<b>Conditions to Avoid</b>	Heat, flames, ignition sources, dust generation, light and incompatibles (such as oxidizers).
<b>Incompatible Materials</b>	Oxidizing agents, alkalis, acetanilide, antipyrine, camphor, monobromated camphor, chlorohydrate, menthol, quinine sulfate, salol, urethane, spirit nitrous ether.
<b>Hazardous Decomposition Products</b>	Carbon monoxide, carbon dioxide.
<b>Hazardous Polymerization</b>	Will not occur.

## Section 11 - Toxicological Information

<b>Acute Toxicity - Oral</b>	LD50 (rat): 980 mg/kg;
<b>Acute Toxicity - Dermal</b>	LD50 (rat) > 2.00 g/kg
<b>Ingestion</b>	Harmful if swallowed. Produces irritation of mucous membranes in the mouth, pharynx, oesophagus, and gastrointestinal tract. May cause severe and permanent damage to the digestive tract. Causes gastrointestinal tract burns.

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May cause perforation of the digestive tract. Causes abdominal pain, nausea, vomiting, diarrhoea, behaviour/central nervous system/peripheral nervous system disorders (somnolence, headache, weakness, fatigue, lethargy, nervousness, agitation, dizziness, talkativeness, convulsions, spastic paralysis, sleepiness, insomnia, ataxia, coma), respiratory disorders (dyspnoea, respiratory stimulation, tachypnea, respiratory collapse), cardiovascular system disorders (hypotension, dysrhythmias, cardiac collapse), kidney and liver damage, pallor, profuse sweating, and occasionally convulsions and coma. Oils and alcohols may promote absorption into the body. May cause systemic effects.

<b>Inhalation</b>	Causes irritation and chemical burns to the respiratory tract. Symptoms may include coughing, shortness of breath. Aspiration may lead to pulmonary oedema. May cause systemic effects. May be absorbed into the bloodstream with symptoms similar to ingestion.
<b>Skin</b>	Causes skin irritation with possible burns. Symptoms include redness, itching, and pain. May cause skin rash (in milder cases), and cold and clammy skin with cyanosis or pale colour. Effects may vary from mild irritation to severe destruction of tissue depending on the intensity and duration of the exposure.
<b>Eye</b>	Causes eye irritation and possible burns. Effects may vary from mild irritation, redness, and pain to chemical conjunctivitis and corneal damage depending on the intensity and duration of the exposure.
<b>Carcinogenicity</b>	Not listed in the IARC Monographs.
<b>Reproductive Toxicity</b>	Evidence of reproductive effects.
<b>Chronic Effects</b>	Effects may be delayed. May be absorbed by the skin and cause systemic effects similar to acute ingestion. Prolonged or repeated exposure by ingestion and inhalation may cause symptoms similar to that of acute ingestion and inhalation. May also affect metabolism and cause weight loss.
<b>Early onset symptoms related to exposure</b>	This compound resembles phenol in its systemic actions, but is less toxic because it is almost insoluble.
<b>Delayed health effects from exposure</b>	Systemic effect: CNS disorders, cardiovascular disorders.
<b>Other Information</b>	Effect potentiated by: ethanol.

## Section 12 - Ecological Information

<b>Ecotoxicity</b>	Toxic for aquatic organisms. May cause long-term adverse effects in the aquatic environment.
<b>Persistence and Degradability</b>	Readily biodegradable. Degradability: COD: 2.69 g/g; ThOD: 2.76 mg/l.
<b>Bioaccumulative Potential</b>	An appreciable bioaccumulation potential is to be expected (log P(o/w) >3).
<b>Environmental Protection</b>	Do not allow to enter waters, waste water, or soil!
<b>Acute Toxicity - Fish</b>	Oryzias latipas LC50: 4.7 mg/l /96 h.
<b>Acute Toxicity - Daphnia</b>	Daphnia magna LC50: 4.5 mg/l /48 h.

## Section 13 - Disposal Considerations

<b>Disposal Considerations</b>	Dispose of according to relevant local, state and federal government regulations.
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## Section 14 - Transport Information

<b>Transport Information</b>	Dangerous goods of Class 8 (Corrosive) are incompatible in a placard load with any of the following: Class 1, Class 4.3, Class 5, Class 6, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids, Class 7; and are incompatible with food and food packaging in any quantity.
<b>ADG UN Number</b>	2430

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<b>ADG Proper Shipping Name</b>	ALKYL PHENOLS, SOLID, N.O.S.
<b>ADG Transport Hazard Class</b>	8
<b>ADG Packing Group</b>	III
<b>Hazchem Code</b>	2X
<b>EPG Number</b>	6B6
<b>IERG Number</b>	36
<b>Environmental Hazards</b>	Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.

### Section 15 - Regulatory Information

<b>Regulatory Information</b>	Listed in the Australian Inventory of Chemical Substances (AICS). Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
<b>Poisons Schedule</b>	Not Scheduled

### Section 16 - Any Other Relevant 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 representatives.
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