



chem-supply

Safety Data Sheet

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Infosafe No™	1CHBB	Issue Date : June 2014	RE-ISSUED by CHEMSUPP
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Product Name : **METHYL SALICYLATE**

Classified as hazardous

1. Identification

GHS Product Identifier	METHYL SALICYLATE		
Company Name	CHEM-SUPPLY PTY LTD (ABN 19 008 264 211)		
Address	38 - 50 Bedford Street GILLMAN SA 5013 Australia		
Telephone/Fax Number	Tel: (08) 8440-2000 Fax: (08) 8440-2001		
Recommended use of the chemical and restrictions on use	Flavour in foods, beverages, pharmaceuticals, odourant, perfumery, UV-absorber in sunburn lotions and laboratory reagent.		
Other Names	Name	Product Code	
	METHYL SALICYLATE LR	ML015	
	Wintergreen oil, Gaultheria oil, Sweet-birch oil, Betula oil, Methyl 2-hydroxybenzoate		
Other Information	EMERGENCY CONTACT NUMBER: +61 08 8440 2000 Business hours: 8:30am to 5:00pm, Monday to Friday.		

Chem-Supply 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 Chem-Supply 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 Chem-Supply 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	Eye Damage/Irritation: Category 2A Acute Toxicity - Oral: Category 4
Signal Word (s)	WARNING
Hazard Statement (s)	H302 Harmful if swallowed. H319 Causes serious eye irritation.
Pictogram (s)	Exclamation mark



Precautionary statement – Prevention	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.
Precautionary statement – Response	P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P330 Rinse mouth. 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.

3. Composition/information on ingredients

Chemical Characterization	Liquid				
Information on Composition	Derived by heating methanol and salicylic acid in presence of sulfuric acid or by distillation from leaves of Gaultheria procumbens or bark of Betulalenta.				
Ingredients	Name	CAS	Proportion	Hazard Symbol	Risk Phrase
	Methyl Salicylate	119-36-8	100 %	Xn, Xi	R22, R36/37/38



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4. First-aid measures

Inhalation	Remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. DO NOT use mouth-to-mouth resuscitation. Seek medical attention in severe cases, or if symptoms develop.
Ingestion	Rinse mouth thoroughly with water immediately. Give water to drink. DO NOT induce vomiting. Seek immediate medical assistance.
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 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 or consult a Poisons Information Centre.
Other Information	For advice, contact the National Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

5. Fire-fighting measures

Hazards from Combustion Products	Carbon monoxide and carbon dioxide.
Specific Methods	May burn but do not ignite readily. Small fire: Use dry chemical, CO ₂ , water spray or foam. Large fire: Use water spray, fog or foam.

6. Accidental release measures

Personal Precautions	Avoid inhalation, contact with skin, eyes and clothing.
Personal Protection	Wear protective clothing specified for normal operations (see Section 8)
Clean-up Methods - Small Spillages	Sweep up (avoid generating dust) and remove to a suitable, clearly labelled container for disposal in accordance with local regulations.
Clean-up Methods - Large Spillages	Seek expert advice on handling and disposal.
Environmental Precautions	Prevent from entering into drains, ditches, rivers or the sea.

7. Handling and storage

Precautions for Safe Handling	Avoid prolonged or repeated contact with skin and eyes. Avoid breathing vapour, spray or mists. In case of insufficient ventilation, wear suitable respiratory equipment. Wash hands and face thoroughly after working with material. Avoid generating and inhaling mist/vapour. Avoid contact with skin.
Conditions for safe storage, including any incompatibilities	Store away from sources of heat or ignition. Store away from oxidizing agents. Keep containers closed at all times. Keep away from light

8. Exposure controls/personal protection

Other Exposure Information	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 ³ for dusts or mists when limits have not otherwise been established.
Appropriate engineering controls	Provide sufficient ventilation to ensure that the working environment is below the TWA (time weighted average). Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flame proof exhaust ventilation system is required. Refer to AS 1940-The storage and handling of flammable and combustible liquids and AS 2430-Explosive gas atmospheres for further information concerning ventilation requirements.
Respiratory Protection	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.



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Eye Protection	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.
Hand Protection	Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance. Recommendation: Nitrile gloves.
Footwear	Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.
Body Protection	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.
Hygiene Measures	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

Form	Liquid
Appearance	Colourless, yellowish or reddish oily liquid.
Odour	Aromatic.
Melting Point	-8 - -7 °C
Boiling Point	220 - 224 °C
Solubility in Water	Sparingly soluble in water, 0.7g/L at 30°C.
Solubility in Organic Solvents	Soluble in ethanol and in glacial acetic acid.
Specific Gravity	1.180 - 1.185
Vapour Pressure	~0.13 hPa (20 °C)
Vapour Density (Air=1)	5.25 g/l
Partition Coefficient: n-octanol/water	Log P(o/w): 2.55
Flash Point	96 °C (closed cup); 99 °C (open cup).
Flammability	Combustible.
Auto-Ignition Temperature	450 °C
Molecular Weight	152.15
Other Information	Refractive Index: 1.184

10. Stability and reactivity

Chemical Stability	Stable. Sensitive to light and heat.
Conditions to Avoid	Light. Moisture. Incompatibles.
Incompatible Materials	Strong bases, strong oxidising agents.
Hazardous Decomposition Products	Carbon monoxide and carbon dioxide.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Acute Toxicity - Oral	LD50 (rat): 887 mg/kg.
Ingestion	Harmful if swallowed. Ingestion of sizable amounts can cause 'salicylism' with symptoms including abdominal pain, nausea, vomiting, increased respiration and mental disturbances. Other symptoms that may be experienced include of cidosis, pulmonary edema, pneumonia, convulsions and possible death. Fatalities resulting from respiratory or cardiovascular failure are known. Reported lethal dose in human adult of 30 mls. The organs targeted are the central nervous system, liver, ears, kidneys and eyes.
Inhalation	Inhalation causes irritation of mucous membranes and upper respiratory tract. Symptoms may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting. High concentrations may cause lung damage.



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Skin	Readily absorbed through skin. May be harmful if absorbed through the skin. May cause irritation, and skin rashes in sensitive individuals. Skin absorption has reportedly occurred by toxic levels are reached only when large skin areas are covered with the drug in a suitable base (e.g. lanolin).
Eye	Causes irritation to eyes and the surrounding membranes. Can be severe with permanent eye damage.
Carcinogenicity	No evidence of carcinogenic properties.
Chronic Effects	Mild chronic salicylate intoxication is termed salicylism. Symptoms include: headache, dizziness, ringing in the ears, difficulty in hearing, dimness of vision, mental confusion, lassitude, drowsiness, sweating, thirst, hyperventilation, nausea, vomiting, and occasionally diarrhea. A more severe degree of salicylate intoxication is characterized by more pronounced CNS disturbances (including generalized convulsions and coma), skin eruptions, rapid breathing, confusion and marked alterations in acid-base balance. Prolonged or repeated exposure may cause allergic reaction in certain sensitive individuals. Kidneys and pancreas can be affected by prolonged ingestion.
Mutagenicity	No evidence of mutagenic effects.

12. Ecological information

Persistence and degradability	Readily biodegradable.
Bioaccumulative Potential	No bioaccumulation is to be expected (log P(o/w) <1.0).

13. Disposal considerations

Disposal Considerations	Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and disposed of according to relevant local, state and federal government regulations.
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14. Transport information

Transport Information	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
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15. Regulatory information

Regulatory Information	Listed in the Australian Inventory of Chemical Substances (AICS).
Poisons Schedule	S6

16. Other Information

Literature References	<p>'Standard for the Uniform Scheduling of Medicines and Poisons No. 4', Commonwealth of Australia, June 2013.</p> <p>Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons, Inc., NY, 1997.</p> <p>National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.', 2007.</p> <p>'Labelling of Hazardous Workplace Chemicals, Code of Practice' Safe Work Australia.</p> <p>Standards Australia 'AS 1940-2004 The Storage and Handling of Flammable and Combustible Liquids.</p> <p>Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, 2010.</p> <p>Worksafe Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004)]'.</p> <p>Worksafe Australia, 'Hazardous Substances Information System, 2005'.</p> <p>Worksafe Australia, 'National Code of Practice for the Labelling of Workplace Hazardous Substances (2011)'.</p> <p>Worksafe Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]'.</p>
Contact Person/Point	<p>Paul McCarthy Ph. (08) 8440 2000 DISCLAIMER STATEMENT:</p> <p>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. Chem-Supply 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.</p>

Empirical Formula & Structural Formula
C8 H8 O3



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