

## Safety Data Sheet METHYL SALICYLATE

SDS no. RDYXWR3L • Version 1.0 • Date of issue: 2024-06-18

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### SECTION 1: Identification

#### GHS Product identifier

Product name METHYL SALICYLATE

#### Other means of identification

METHYL SALICYLATE LR ML015  
Wintergreen oil, Gaultheria oil, Sweet-birch oil, Betula oil, Methyl 2-hydroxybenzoate

#### Recommended use of the chemical and restrictions on use

Flavour in foods, beverages, pharmaceuticals, odourant, perfumery, UV-absorber in sunburn lotions and laboratory reagent.

#### Supplier's details

Name ChemSupply Australia Pty Ltd  
Address 38-50 Bedford Street  
5013 Gillman South Australia  
Australia

Telephone 08 8440 2000  
email [www.chemsupply.com.au](http://www.chemsupply.com.au)

#### Emergency phone number

CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)

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### SECTION 2: Hazard identification

#### Classification of the substance or mixture

#### GHS classification in accordance with: UN GHS revision 7

- Acute toxicity, oral, Cat. 4

#### GHS label elements, including precautionary statements

#### Pictograms



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### Signal word

### Warning

### Hazard statement(s)

H302

Harmful if swallowed

### Precautionary statement(s)

P264

Wash hands thoroughly after handling.

P270

Do not eat, drink or smoke when using this product.

P301+P312

IF SWALLOWED: Call a POISON CENTER/doctor/physician if you feel unwell,

P501

Dispose of contents/container to an approved waste disposal facility

## SECTION 3: Composition/information on ingredients

### Mixtures

Molecular weight: 152.15

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.

### Components

Component	CAS no.	Concentration
Methyl salicylate (EC no.: 204-317-7)	119-36-8	<= 100 % (weight)
CLASSIFICATIONS: Acute toxicity, inhalation, Cat. 4; Hazardous to the aquatic environment, short-term (acute), Cat. 3. HAZARDS: H332 - Harmful if inhaled; H402 - Harmful to aquatic life.		

## SECTION 4: First-aid measures

### Description of necessary first-aid measures

General advice

First Aid Facilities: Maintain eyewash fountain in work area.

If inhaled

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

In case of skin contact

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

In case of eye contact

Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. If rapid recovery does not occur, obtain medical attention

If swallowed

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

### Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### Indication of immediate medical attention and special treatment needed, if necessary

For advice, contact the National Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

## SECTION 5: Fire-fighting measures

### Suitable extinguishing media

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May burn but do not ignite readily.  
Small fire: Use dry chemical, CO<sub>2</sub>, water spray or foam.  
Large fire: Use water spray, fog or foam.

### Specific hazards arising from the chemical

Hazards from Combustion Products: Carbon monoxide and carbon dioxide.

### Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

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## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Avoid inhalation, contact with skin, eyes and clothing.

Ensure adequate ventilation. Use personal protective equipment. For personal protection see section 8.

### Methods and materials for containment and cleaning up

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.  
Seek expert advice on handling and disposal.

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## SECTION 7: Handling and storage

### Precautions for safe handling

Avoid generating and inhaling mist/vapour. Avoid contact with skin. Avoid breathing vapour, spray or mists. In case of insufficient ventilation, wear suitable respiratory equipment. Wash hands and face thoroughly after working with material.

### 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

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## SECTION 8: Exposure controls/personal protection

### Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

### Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face 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.

#### Skin protection

Clean impervious clothing should be worn. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

Hand Protection: Ensure hand protection complies with AS 2161, Occupational protective gloves - Selection, use and maintenance.

#### 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.

### 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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## SECTION 9: Physical and chemical properties

### Basic physical and chemical properties

Physical state	Liquid
Appearance	Colourless, yellowish or reddish oily liquid.
Color	No data available.
Odor	Aromatic.
Odor threshold	No data available.
Melting point/freezing point	-8 - -7 °C
Boiling point or initial boiling point and boiling range	220 - 224 °C
Flammability	Combustible.
Lower and upper explosion limit/flammability limit	No data available.
Flash point	96 °C (closed cup); 99 °C (open cup).
Explosive properties	No data available.
Auto-ignition temperature	450 °C
Decomposition temperature	No data available.
Oxidizing properties	No data available.
pH	No data available.
Kinematic viscosity	No data available.
Solubility	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.
Partition coefficient n-octanol/water (log value)	Log P(o/w): 2.55
Vapor pressure	~0.13 hPa (20 °C)
Evaporation rate	No data available.
Density and/or relative density	Specific Gravity: 1.180 - 1.185
Relative vapor density	5.25 g/l
Particle characteristics	No data available.

### Supplemental information regarding physical hazard classes

No data available.

### Further safety characteristics (supplemental)

Other Information: Refractive Index: 1.184

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## SECTION 10: Stability and reactivity

### Reactivity

Stable under normal conditions of storage and handling.

### Chemical stability

Stable. Sensitive to light and heat.

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### Possibility of hazardous reactions

Hazardous Polymerization: Will not occur.

### Conditions to avoid

Avoid storing in direct sunlight and avoid extremes of temperature.

### Incompatible materials

Strong bases, strong oxidising agents.

### Hazardous decomposition products

Carbon monoxide and carbon dioxide.

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

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.

#### Skin corrosion/irritation

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).

#### Serious eye damage/irritation

Causes irritation to eyes and the surrounding membranes. Can be severe with permanent eye damage.

#### Respiratory or skin sensitization

No data available.

#### Germ cell mutagenicity

No data available.

#### Carcinogenicity

No data available.

#### Reproductive toxicity

No data available.

#### Summary of evaluation of the CMR properties

No data available.

#### Specific target organ toxicity (STOT) - single exposure

No data available.

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### Specific target organ toxicity (STOT) - repeated exposure

No data available.

### Aspiration hazard

No data available.

### Additional information

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.

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## SECTION 12: Ecological information

### Toxicity

No data available.

### Persistence and degradability

No data available.

### Bioaccumulative potential

No data available.

### Mobility in soil

No data available.

### Results of PBT and vPvB assessment

No data available.

### Endocrine disrupting properties

No data available.

### Other adverse effects

No data available.

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## SECTION 13: Disposal considerations

### Disposal methods

### Product disposal

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers.

### Other disposal recommendations

Do not discharge this material into waterways, drains and sewers.

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## SECTION 14: Transport information

### ADG (Road and Rail)

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

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## **SECTION 15: Regulatory information**

### **Safety, health and environmental regulations specific for the product in question**

#### **Australia SUSMP**

Poison Schedule: S6

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## **SECTION 16: Other information**

### **Further information/disclaimer**

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.

### **Preparation information**

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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', July 2020.

Safe Work Australia, 'National Guide for Classifying Hazardous Chemicals', July 2020.

Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants, December 2019

Safe Work Australia, Hazardous Chemical Information System (HCIS), [hcis.safeworkaustralia.gov.au](https://hcis.safeworkaustralia.gov.au)

IATA, Dangerous Goods Regulations (DGR)

IMO, International Maritime Dangerous Goods Code (IMDG)