

Infosafe No™ 1CHL9      Issue Date : October 2022      RE-ISSUED by CHEMSUPP

Product Name **METHYL 4-HYDROXY BENZOATE**

Classified as hazardous

## Section 1 - Identification

**Product Identifier** METHYL 4-HYDROXY BENZOATE

**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** Antimicrobial agent, inhibition of molds and yeasts and to lesser extent bacteria; as vehicle for ophthalmic solution; food additive (preservative), preservative in cosmetics and some parenteral solutions; in vitro spermicide; in medicaments for pharyngitis and laboratory reagent.

<b>Other Names</b>	<u>Name</u>	<u>Product Code</u>
	Methyl paraben	
	Methyl para-hydroxy benzoate	
	METHYL 4-HYDROXY BENZOATE LR	ML019
	METHYL 4-HYDROXY BENZOATE BP	MP019

**Additional Information** Use in foods restricted to 0.1%.  
A tolerance of zero is established for residues of methylparaben in milk from dairy animals.

**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** Eye Damage/Irritation: Category 2A

**Signal Word** WARNING

**Hazard Statement (s)** H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

**Pictogram (s)** Exclamation mark



**Precautionary Statement – Prevention** P261 Avoid breathing dust/fume/gas/mist/vapours/spray  
P264 Wash thoroughly after handling.  
P271 Use only outdoors or in a well ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

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<b>Precautionary Statement – Response</b>	P302+P352 IF ON SKIN: Wash with plenty of water/soap P304+P340 IF INHALED: Remove person to fresh air and keep 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. P337+P313 If eye irritation persists: Get medical advice/attention. P332+P313 If skin irritation occurs: Get medical advice/attention P312 Call a POISON CENTER/doctor/physician if you feel unwell. P363+P364 Take off contaminated clothing and wash it before reuse.
<b>Precautionary Statement – Storage</b>	P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up.
<b>Precautionary Statement – Disposal</b>	P501 Dispose of contents/container according to local, state and federal regulations.

### Section 3 - Composition and Information on Ingredients

Ingredients	Name	CAS	Proportion
	Methyl 4-Hydroxybenzoate	99-76-3	98-100 %

### Section 4 - First Aid Measures

<b>Inhalation</b>	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.
<b>Ingestion</b>	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.
<b>Skin</b>	Wash affected area thoroughly with copious amounts of running water. Remove contaminated clothing and wash before reuse. Seek medical attention in severe cases, or if irritation develops.
<b>Eye</b>	If contact with the eye(s) occur, wash with copious amounts of water for approximately 15 minutes holding eyelids(s) open. Take care not to rinse contaminated water into the non-affected eye. If irritation develops seek medical attention.
<b>First Aid Facilities</b>	Maintain eye wash and normal washroom facilities.
<b>Advice to Doctor</b>	Treat symptomatically based on judgement of doctor and individual reactions of the patient.
<b>Other Information</b>	For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor.

### Section 5 - Firefighting Measures

<b>Hazards from Combustion Products</b>	Irritating and highly toxic gases, smoke and fumes, including carbon monoxide and carbon dioxide.
<b>Specific Methods</b>	Small fire: Use dry chemical, CO <sub>2</sub> , water spray or foam. Large fire: Use water spray, fog or foam. If safe to do so, move undamaged containers from the fire area. Cool containers with flooding quantities of water until well after the fire is out.
<b>Specific Hazards Arising from the Chemical</b>	May burn but do not ignite readily. Runoff may pollute waterways. Fire may produce irritating, poisonous and/or corrosive fumes. Containers may explode when heated.
<b>Decomposition Temperature</b>	270 - 280 °C
<b>Precautions in connection with Fire</b>	Wear SCBA and structural firefighter's uniform.

### Section 6 - Accidental Release Measures

<b>Personal Precautions</b>	Avoid substance contact. Avoid generation of dusts: do not inhale dusts. Ensure supply of fresh air in enclosed rooms.
<b>Personal Protection</b>	Use personal protective equipment listed in Section 8.

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**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 with local regulations.

## Section 7 - Handling and Storage

**Precautions for Safe Handling** Avoid ingestion and inhalation of dusts. Avoid contact with skin and eyes. Minimize dust and aerosol generation and accumulation. Keep container tightly closed. Provide appropriate exhaust ventilation at places where dust is formed. Use with adequate ventilation. If ingested, seek medical advice immediately and show the container or the label. Wear appropriate protective equipment. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Practice good personal hygiene, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities. Protect against physical damage. Keep away from incompatibles such as oxidizing agents, alkalis. Employ normal measures for preventive fire protection.

**Conditions for safe storage, including any incompatibilities** Store in tightly closed containers, in a cool, dry, well-ventilated area away from incompatible substances. Protect against physical damage, direct sunlight and moisture. Store away from heat, sources of ignition, and oxidising agents. Inspect regularly for deficiencies such as damage or leaks.

**Corrosiveness** Non-corrosive in presence of glass, of steel, of stainless steel (304), of stainless steel (316).

**Storage Temperatures** Store at room temperature (15 to 25 °C recommended).

## Section 8 - Exposure Controls and 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<sup>3</sup> for dusts when limits have not otherwise been established.

**Engineering Controls** 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.

**Respiratory Protection** 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.

**Eye and 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.

**Hand Protection** Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance. Recommendation: PVC gloves. Plastic or rubber gloves.

**Personal Protective Equipment** Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken.

**Body Protection** Clean clothing or protective clothing should be worn. 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.

## Section 9 - Physical and Chemical Properties

**Form** Solid

**Appearance** Colourless crystals or white, crystalline powder or needles.

**Odour** Odourless or faint characteristic odour.

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<b>Melting Point</b>	125-128 °C; 131 °C.
<b>Boiling Point</b>	270-280 °C (decomposition)
<b>Decomposition Temperature</b>	270 - 280 °C
<b>Solubility in Water</b>	Slightly soluble (0.25% (wt/wt) @ 20 °C; 0.30% (wt/wt) @ 25 °C).
<b>Solubility in Organic Solvents</b>	Very soluble in alcohol; easily soluble in diethyl ether, acetone; soluble in benzene; slightly soluble in carbon tetrachloride and glycerol (1 g/ 70 ml of warm glycerol).
<b>Specific Gravity</b>	1.36
<b>Solubility in Fat</b>	Soluble in oils (1 g/ 40 ml of warm oil) and fats.
<b>pH</b>	~ 5.8 (saturated solution)
<b>Vapour Pressure</b>	Negligible.
<b>Evaporation Rate</b>	Negligible.
<b>Volatile Component</b>	0 %vol @ 21 °C
<b>Partition Coefficient: n-octanol/water (log value)</b>	Log P (o/w): 1.96
<b>Density</b>	Bulk Density: ~ 0.3-0.4.
<b>Flammability</b>	Combustible.
<b>Auto-ignition Temperature</b>	> 600 °C
<b>Explosion Properties</b>	Finely dispersed dust in air in sufficient concentrations, and on exposure to an ignition source is a potential dust explosion hazard.
<b>Molecular Weight</b>	152.15
<b>Other Information</b>	Taste: Slight burning taste.

## Section 10 - Stability and Reactivity

<b>Chemical Stability</b>	Stable under normal temperatures, pressures and conditions of handling and storage.
<b>Possibility of Hazardous Reactions</b>	Reactive with oxidizing agents, alkalis.
<b>Conditions to Avoid</b>	Heat, flames, ignition sources, dust generation and incompatible materials.
<b>Incompatible Materials</b>	Strong oxidising agents and strong bases.
<b>Hazardous Decomposition Products</b>	Irritating and highly toxic gases, acrid smoke and fumes, including carbon monoxide and carbon dioxide.
<b>Hazardous Polymerization</b>	Will not occur.

## Section 11 - Toxicological Information

<b>Acute Toxicity - Oral</b>	LD50 (rat): 2100 mg/kg
<b>Ingestion</b>	May cause gastrointestinal tract irritation. Systemic toxicity appears to be low. Large doses may produce gastric upset, stomach discomfort, nausea and diarrhoea. May affect behaviour/nervous system (ataxia, somnolence, flaccid paralysis without anesthesia).
<b>Inhalation</b>	Inhalation of dust may result in respiratory irritation, sore throat, coughing and difficult breathing.
<b>Skin</b>	Skin contact may cause irritation, resulting in redness and itching. Prolonged or repeated skin contact may cause severe and intractable sensitization (contact) dermatitis, in sensitive individuals, an allergic reaction, which becomes evident upon re-exposure to this material. Paraben sensitization may

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<b>Eye</b>	occur especially when substance is applied to broken or damaged skin. May cause moderate eye irritation, redness, pain, tearing and swelling of eyelids from allergic contact dermatitis.
<b>Carcinogenicity</b>	Not listed in the IARC Monographs.
<b>Chronic Effects</b>	Repeated exposure may cause sensitization dermatitis.

## Section 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>Mobility</b>	Distribution: log P(o/w): 1.96.
<b>Bioaccumulative Potential</b>	No appreciable bioaccumulation potential is to be expected (log P(o/w) 1-3).
<b>Environmental Protection</b>	Do not allow to enter waters, waste water, or soil!
<b>Acute Toxicity - Fish</b>	Leuciscus idus LC0: 50 - 100 mg/l, 96 h.

## Section 13 - Disposal Considerations

<b>Disposal Considerations</b>	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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## Section 14 - Transport Information

<b>Transport Information</b>	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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## Section 15 - Regulatory Information

<b>Regulatory Information</b>	Listed in the Australian Inventory of Chemical Substances (AICS).
<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'.
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<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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<b>Empirical Formula &amp; Structural Formula</b>	Empirical Formula: C8-H8-O3. Structural Formula: HOC6H4CO2CH3.
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