



Infosafe No™	1CH4G	Issue Date : March 2019	RE-ISSUED by CHEMSUPP
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Product Name : **METHYL CELLULOSE**

Not classified as hazardous

1. Identification

GHS Product Identifier	METHYL CELLULOSE		
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		
Emergency phone number	CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)		
Recommended use of the chemical and restrictions on use	Protective colloid in water-based paints to prevent flocculation of pigment, film and sheeting, binder in ceramic glazes, leather tanning, dispersing, thickening and sizing agent, adhesive, food additive and laboratory reagent.		
Other Names	<u>Name</u>	<u>Product Code</u>	

METHYL CELLULOSE LR
Cellulose methyl ether
Methylcellulose
Tylose

ML054

Other Information

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	Not classified as hazardous according to the criteria of Hazardous Substances Information System (HSIS), Safe Work Australia. Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).
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3. Composition/information on ingredients

Chemical Characterization	Solid			
Information on Composition	Prepared from wood pulp or chemical cotton by treatment with alkali and methylation of the alkali cellulose with methyl chloride, dimethyl sulfate or methanol and dehydrating agents.			
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>	<u>Hazard Symbol</u> <u>Risk Phrase</u>
	Methyl cellulose	9004-67-5	100 %	

4. First-aid measures

Inhalation	Remove victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion	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.
Skin	Remove contaminated clothing and wash affected skin with soap and water.
Eye contact	Irrigate with copious quantity of water for 15 minutes. Seek medical assistance if symptoms persist.
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 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 oxides.
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Specific Methods	Small fire: Use dry chemical, CO ₂ , 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.
Specific hazards arising from the chemical	May burn but do not ignite readily. Containers may explode when heated. May form flammable or explosive dust-air mixtures. Runoff may pollute waterways. Fire or heat may produce irritating, poisonous and/or corrosive gases.
Precautions in connection with Fire	Wear SCBA and structural firefighter's uniform.
Other Information	Minimum explosive dust condition: 30 g/m ³ .

6. Accidental release measures

Spills & Disposal	Do NOT touch or walk through this product. Stop leak if safe to do so. Prevent entry into waterways, drains, confined areas. Prevent dust cloud. Use clean non-sparking tools to collect material and place it into loosely-covered plastic containers for later disposal.
Personal Precautions	Avoid inhalation, contact with skin, eyes and clothing. Avoid dust formation and avoid breathing dust.
Personal Protection	Wear protective clothing specified for normal operations (see Section 8)

7. Handling and storage

Precautions for Safe Handling	Do not breathe dust. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure. Wash hands and face thoroughly after working with material. Use in well ventilated areas away from all ignition sources. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid generating and inhaling dust.
Conditions for safe storage, including any incompatibilities	Store away from oxidizing agents. Keep away from heat and other sources of ignition. Store in cool place and out of direct sunlight.
Storage Temperatures	Store at room temperature (15 to 25 °C recommended).

8. Exposure controls/personal protection

Other Exposure Information	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 ³ . All atmospheric contamination should be kept to as low a level as is workable.
Appropriate 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. These methods should be used in preference to personal protective equipment.
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 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: Rubber or plastic gloves.
Personal Protective Equipment	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.
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



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Form	Solid
Appearance	White to off-white, fibrous powder.
Odour	Odourless.
Solubility in Water	Soluble (swells in cold water to a viscous colloidal solution). Insoluble in hot water.
Solubility in Organic Solvents	Insoluble in anhydrous alcohol, ether, chloroform, glacial acetic acid, aniline, pyridine and dimethylformamide.
pH	Aqueous solutions neutral to litmus.
Viscosity	ML054 - Viscosity of 2% aqueous solution: 3000 mPa.s
Flammability	Combustible.

10. Stability and reactivity

Chemical Stability	Stable under ordinary conditions of use and storage. Sensitive to light. Stable up to ~300 °C.
Conditions to Avoid	Exposure to moisture. Heat, flames, ignition sources and incompatibles.
Incompatible Materials	Strong oxidisers, acids, alkalies and peroxides.
Hazardous Decomposition Products	Carbon oxides.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Ingestion	May be harmful if ingested in great quantity. Produces a laxative effect. Risk of esophageal, gastric, small intestinal and rectal obstruction due to osmotic disturbance. Very low toxicity.
Inhalation	Dust may cause irritation to the respiratory tract. No adverse health effects are expected.
Skin	May cause irritation to the skin.
Eye	May cause irritation to mechanical action.
Carcinogenicity	No evidence of carcinogenic properties.
Mutagenicity	No evidence of mutagenic effects.

12. Ecological information

Ecotoxicity	Ecotoxicity: Cellulose ether products are generally of low toxicity to fish.
Persistence and degradability	Biodegradability: This material is a cellulose ether product. Cellulose ether products have generally slow biodegradation rates.

13. Disposal considerations

Disposal Considerations	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

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). Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
Poisons Schedule	Not Scheduled

16. Other Information

Literature References	'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia. Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons, Inc., NY, 1997. National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.', 2007. Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals', 2011.
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Safety Data Sheet

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**Contact
Person/Point**

Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, 2010.
Safe Work Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)]'.
Safe Work Australia, 'Hazardous Chemical Information System, 2005'.
Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances (2011)'.
Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995) 3rd Edition]'.

Paul McCarthy Ph. (08) 8440 2000 **DISCLAIMER STATEMENT:**

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