



Infosafe No™	1CH4G	Issue Date : April 2014	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

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	Name	Product Code
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METHYL CELLULOSE LR	ML054
Cellulose methyl ether	
Methylcellulose	
Tylose	

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 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).

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	Name	CAS	Proportion	Hazard Symbol	Risk Phrase
	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. Seek medical attention.

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.

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	A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by NOHSC 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	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 Protection	The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate.
Hand Protection	Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336. Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance. Recommendation: Rubber or plastic gloves.
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	Solid
Appearance	White to off-white, fibrous powder.
Odour	Odourless.



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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	Dispose 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	Not Scheduled

16. Other Information

Literature References	'Standard for the Uniform Scheduling of Medicines and Poisons No. 4', Commonwealth of Australia, June 2013. 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. 'Labelling of Hazardous Workplace Chemicals, Code of Practice' Safe Work Australia. Standards Australia 'AS 1940-2004 The Storage and Handling of Flammable and Combustible Liquids. Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, 2010. Worksafe Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004)]'.
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chem-supply

Safety Data Sheet

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**Contact
Person/Point**

Worksafe Australia, 'Hazardous Substances Information System, 2005'.
Worksafe Australia, 'National Code of Practice for the Labelling of Workplace Hazardous Substances (2011)'.

Worksafe Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]'.

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

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