

SAFETY DATA SHEET (SDS)

Methyl cellulose

Issue date: 29-04-2024

Section 1: Product Identifier and Chemical Identity

Product Identifier	
Product Name:	Methyl cellulose
Product Codes:	MC11.3
Other means of identification:	
Chemical formula, alternative names:	Methyl cellulose LR Cellulose methyl ether Methylcellulose Tylose
Recommended use of the chemical and restrictions on use	
Recommended Use:	For laboratory use only.
Suppliers name, address and phone number	
Suppliers Name:	Southern Biological
Suppliers ABN:	94 630 703 810
Suppliers Address:	168 Fulham Road Alphington Victoria 3078 Australia
Suppliers Phone No.:	1300 138 561
Emergency Phone number (BH)	1300 138 561

Section 2: Hazard Identification

Classification of the Hazardous Chemical	
Hazard Category	Not classified as a hazardous chemical.
Label elements	
Hazard Pictograms:	None
Signal Word:	None
Hazard Statements:	Not applicable
Precautionary Statements:	Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not ingest.
Other Hazards	
Results of PBT and vPvB assessment:	PBT: Not applicable vPvB: Not applicable

Section 3: Composition/information on ingredients

Ingredients			
Name	CAS	Proportion	Hazard Class
Methyl cellulose	9004-67-5	100%	None

Section 4: First Aid Measures

General Information	
After Inhalation:	Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms, call a doctor.
After skin contact:	Wash with water and soap and rinse thoroughly. If skin irritation occurs, seek medical advice.
After eye contact:	Irrigate with copious quantity of water for 15 minutes. Remove contact lenses, if present and easy to do. Seek medical advice if symptoms persist.
After swallowing:	DO NOT INDUCE VOMITING. Wash out mouth with water. Obtain emergency medical attention. Call a POISON CENTRE or doctor if you feel unwell.
Information for doctor:	
Most important symptoms and effects both acute and delayed:	Treat symptomatically.
Indications of any immediate medical attention and special treatment needed	No further relevant information available.

Section 5: Firefighting measures

Extinguishing media	
Suitable extinguishing agents:	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.
Special hazards arising for the substance or mixture:	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.
Advice for firefighters	
Protective equipment:	Do not enter the fire area without proper protective equipment including respiratory equipment.

Section 6: Accidental release measures

General Information	
Personal precautions, protective equipment and emergency procedures:	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.
Environmental precautions:	Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if spill to sewers or public waters.
Methods and material for containment and cleaning up:	Dispose of contaminating material as waste according to item 13. Ensure adequate ventilation. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

Reference to other sections:	See Section 7 for information on safe handling.
	See Section 8 for information on protective equipment. See Section 13 for disposal information.

Section 7: Handling and Storage

General Information	
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.
Information about fire – and explosion protection:	No special measures required.
Conditions for safe storage, including any incompatibilities.	
Storage:	Store in cool dry area out of direct sunlight and incompatible materials. Keep containers closed when not in use. Store in suitably labelled containers.
Requirements to be met by storerooms and receptacles:	No special requirements.
Information about storage in one common storage facility:	Not required.
Further information about storage conditions:	Keep container tightly sealed. Keep out of direct sunlight.
Specific end use(s):	No further relevant information available.

Section 8: Exposure controls/personal protection.

General information			
Additional information about design of technical facilities:		No further data: see section 7	
Control parameters:			
Ingredients with limit values that require monitoring at the workplace:			
Name	STEL	TWA	Footnote
Dusts (blanket limit)	N/A	10 mg/m ³	
Additional information		The lists valid during the making were used as basis.	
Exposure Controls:			
General protective and hygienic measures:		Use only in systems, processes and procedures in which effective ventilation has been provided. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with eyes.	
Respiratory protection:		In case of significant exposure or where ventilation is not adequate, use respiratory filter device. Not normally required. 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.	
Clothing / Foot-wear and equipment		No special requirements.	

Protection of hands:	PVC or rubber gloves
Eye protection:	Tightly sealed goggles
Skin protection:	Laboratory Coat

Section 9: Physical and chemical properties

Appearance:

Form:	Solid
Colour:	White to off-white, fibrous powder
Odour:	Odourless
Odour Threshold:	Not determined
pH value:	Not determined
Change in Condition:	
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined
Flash point:	Not determined
Flammability (solid / gaseous)	Combustible
Ignition Temperature	
Decomposition temperature:	Not determined
Self-igniting:	Not determined
Danger of explosion:	Not determined
Explosion limits	
Lower:	Not determined
Upper:	Not determined
Vapour pressure:	Not determined
Density:	Not determined
General Info	
Relative density:	Not determined
Vapour density:	Not determined
Evaporation rate:	Not determined
Solubility in/ Miscibility with water:	Soluble (swells in cold water to a viscous, colloidal solution). Insoluble in hot water.
Partition coefficient (n-octanol/water):	Not determined
Viscosity:	Viscosity of 2% aqueous solution: 3000mPa.s
Other information:	Not determined

Section 10: Stability and reactivity

Reactivity	
General	Stable under ordinary conditions of use and storage. Sensitive to light. Stable up to ~300 °C.
Chemical Stability	
Thermal decomposition / conditions to be avoided:	Exposure to moisture. Heat, flames, ignition sources and incompatibles.
Possibility of hazardous reactions:	No dangerous reactions known.
Conditions to avoid:	Exposure to moisture, dust generation, extreme heat
Incompatible materials:	Strong oxidisers, acids, alkalies and peroxides.
Hazardous decomposition products:	Carbon oxides

Section 11: Toxicological information

Information on toxicological effects	
General	Low toxicity
Primary irritant effect:	
Inhalation:	Dust may cause irritation to the respiratory tract. No adverse health effects are expected.
Skin contact:	May cause skin irritation
Eye exposure:	May cause irritation
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.
Chronic Toxicity:	
General	No evidence of carcinogenetic or mutagenic properties

Section 12. Ecological information

Toxicity	
Aquatic toxicity:	Cellulose ether products are generally of low toxicity to fish.
Persistence and degradability:	This material is a cellulose ether product. Cellulose ether products have generally slow biodegradation rates.
Behaviour in environmental systems	
Bio-accumulative potential:	No further relevant information available.

Mobility in soil:	No further relevant information available.
Additional ecological information	
Results of PBT and vPvB assessment	PBT: Not applicable vPvB: Not applicable
Other adverse effects:	No further relevant information available.

Section 13. Ecological information

Waste treatment methods	
Recommendation	Prevent this material from entering waterways, drains and sewers. Comply with official regulations.
Uncleaned packaging:	
Recommendation:	Disposal must be made according to official regulations.
Recommended cleansing agents:	Water, if necessary, together with cleansing agents.

Section 14. Transport information

General	Not listed as a hazardous material.
----------------	-------------------------------------

Section 15. Regulatory Information

Safety health and environmental regulations/legislation specific for the substance or mixture	
Australian Inventory of Chemical Substances:	Substances are listed.
Standard for the Uniform Scheduling of Medicines and Poisons	S6
GHS label elements	None
Chemical safety assessment:	A Chemical Safety Assessment has not been carried out.

Section 16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and Acronyms

IARC: International Agency for Research on Cancer

CAS: Chemical Abstracts Service

PBT: Persistent Bio-accumulative and Toxic

vPvT: very Persistent and very Toxic