

Material Safety Data Sheet



Methyl Cellulose Solution

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Section 1 – Product Description

Product Name: Methyl Cellulose Solution

Product Code(s): 15-2200

Size: 100mL

Chemical Name: Methyl Cellulose Solution

CAS Number: 9004-67-5

Formula: See Section 3

Synonyms: N/A

Distributor: Biozoa Biological Supply Company. Seoul, Geumcheon-gu, Doosan-ro 70, B-1008(Hyundai-Center)

Chemical Information: 02-862-1372 (9am-5pm (ET) M-F)

Section 2 – Hazard Identification

Emergency Overview: Non-Hazardous under normal use.

Potential Health Effects:

Eyes: May cause irritation

Ingestion: May cause gastrointestinal discomfort.

Skin: May Causes irritation to skin.

Inhalation: May Causes irritation to respiratory tract.

Section 3 – Composition / Information on Ingredients

Principal Hazardous Components: Methyl Cellulose (9004-67-5) 99%

TLV units: N/A

PEL units: N/A

Section 4 – First Aid Measures

Emergency and First Aid Procedures:

Eyes – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin – After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.

Ingestion – If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

If swallowed, rinse mouth with water(only if the person is conscious)

Inhalation – In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Section 5 – Firefighting Procedures

Flash Point (Method Used): N/A

NFPA Rating:

Health: 0

Fire: 1

Reactivity: 0

Extinguisher Media: Use dry chemical, CO2 or appropriate foam.

Flammable Limits in Air % by Volume: N/A

Autoignition Temperature: N/A

Special Firefighting Procedures: Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: None

Section 6 – Spill or Leak Procedures

Steps to Take in Case Material Is Released or Spilled: Ventilate area of spill. Clean-up personnel should wear proper protective equipment. Avoid creating dust. Sweep or scoop up and containerize for disposal.

Section 7 – Special Precautions

Precautions to Take in Handling or Storing: Keep container tightly closed in a cool, well-ventilated place. Suitable for any general chemical storage.

Section 8 – Protection Information

Respiratory Protection (Specify Type): None needed under normal conditions of use with adequate ventilation. A NIOSH/MSHA chemical cartridge respirator should be worn if PEL or TLV is exceeded.

Ventilation:

Local Exhaust: Yes

Mechanical (General): Yes

Special: No

Other: No

Protective Gloves: Natural rubber, Neoprene, PVC or equivalent.

Eye Protection: Splash proof chemical safety goggles should be worn.

Other Protective Clothing or Equipment: Lab coat, apron, eyes wash, safety shower.

Section 9- Physical Data

Molecular Weight: N/A

Boiling Point: N/A

Vapor Density (Air=1): N/A

Percent Volatile by Volume: Approx. 90%

Solubility in Water: Soluble

Melting Point: N/A

Vapor Pressure: N/A

Specific Gravity (H₂O=1): N/A

Evaporation Rate (BuAc=1): N/A

Appearance and Odor: Odorless white-gray solid.

Section 10 - Reactivity Data

Stability: Stable

Conditions to Avoid: N/A

Incompatibility (Material to Avoid): Water -reactive Material,

Hazardous Decomposition Product: N/A

Hazardous Polymerization: Will not occur

Section 11 – Toxicity Data

Toxicity Data: orl-rat LD50 >10 g/kg

Effects of Overexposure:

Acute: See Section 2

Chronic: N/A

Conditions Aggravated by Overexposure: N/A

Target Organs: Skin, Eyes, Respiratory system,

Primary Route(s) of Entry: Inhalation, ingestion, eye or skin contact.

Section 12- Ecological Date

EPA Waste Numbers: N/A

Section 13 – Disposal Information

Waste Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.

Section 14 – Transport Information

DOT Proper Shipping Name: N/A

Section 15 – Regulatory Information

EPA TSCA Status: On TSCA Inventory

Hazard Category for SARA Section 311/312 Reporting: Acute Chronic

Name List

No

Chemical Category:

No

CERCLA Section 103 RQ(lb.): No

RCRA Section 261.33: No

Section 16 – Additional Information

The information provided in this Material Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Biozoa Biological Supply makes representation or guarantee as to the suitability of this information to a particular application of the substance covered in the Material Safety Data Sheet. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material.

Glossary

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| ACGIH | American Conference of Governmental Industrial Hygienists |
| CAS Number | Chemical Services Abstract Number |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act |
| DOT | U.S. Department of Transportation |
| IARC | International Agency of Research on Cancer |
| N/A | Not Available |
| NTP | National Toxicology Program |
| OSHA | Occupational Safety and Health Administration |
| PEL | Permissible Exposure Limit |
| ppm | Parts per million |
| RCRA | Resource Conservation and Recovery Act |
| SARA | Superfund Amendments and Reauthorization Act |
| TLV | Threshold Limit Value |
| TSCA | Toxic Substances Control Act |