



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: ABNT NBR 14725-4:2014 ABNT NBR 14725-2:2019

Revision date 02-May-2024

Revision Number 1

1. Identification

Product identifier

Product Name METHOCEL™ E4M Premium CR Hydroxypropyl Methylcellulose

Product Code(s) 243039

Recommended use of the chemical and restrictions on use

Recommended use Industrial

Uses advised against None under normal use conditions.

Details of the supplier of the safety data sheet

Supplier

Nutrition & Biosciences Brasil Ingredientes LTDA.
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Bloco Terra 5 Andar 3 Sala 10
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IN CASE OF EMERGENCY: Chemtrec
Outside USA and Canada: +1 703-527-3887
NSW Poisons Information Centre: 131 126 (24 hours)

E-mail address

sds.genencor@iff.com

Emergency telephone number

Local (Rio De Janeiro): +55 21 3958-1449
Local (Sao Paulo): +55 11 4349-1359
Toll Free: 0800 892 0479

2. Hazard(s) identification

GHS Classification

This safety data sheet complies with the requirements of: ABNT NBR 14725-2:2019

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

Label elements

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

Other information

WARNING. May form combustible dust concentrations in air.

3. Composition/information on ingredients

Substance

Chemical name	CAS No.	Weight-%
Hydroxypropyl methylcellulose	9004-65-3	95 - 100

4. First-aid measures

Description of first aid measures

General advice	When in doubt or if symptoms are observed, get medical advice.
Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin contact	IF ON SKIN: Wash with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.
Ingestion	IF SWALLOWED: Never give anything by mouth to an unconscious person. Drink plenty of water. Get medical attention if symptoms occur.

Most important symptoms and effects, both acute and delayed

Symptoms	Get medical attention if irritation or other symptoms occur.
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Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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5. Fire-fighting measures

Suitable Extinguishing Media	Foam. Dry powder. Water spray. Carbon dioxide (CO2).
Unsuitable extinguishing media	Keep product and empty container away from heat and sources of ignition. Do not use water jetstream.
Specific hazards arising from the chemical	Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
Explosive properties	
Sensitivity to static discharge	Yes.
Sensitivity to mechanical impact	No.
Special protective equipment for fire-fighters	Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide adequate protection.
Hazardous combustion products	Smoke production.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Use personal protection recommended in Section 8. Sweep up to prevent slipping hazard.

Environmental precautions

Environmental precautions Clean contaminated objects and areas thoroughly observing environmental regulations.

Methods and material for containment and cleaning up

Methods for containment Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Dispose of in accordance with local regulations.

Methods for cleaning up Use industrial vacuum cleaners approved for combustible dust and area electrical classification.

7. Handling and storage

Precautions for safe handling

Advice on safe handling Avoid generation of dust and aerosols. Avoid contact with eyes, skin and clothing. Minimize dust generation and accumulation. Combustible dust clouds may be created where operations produce fine material (dust). Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Handling and processing operations should be conducted in accordance with 'best practices' (e.g. NFPA- 654).

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep/store only in original container. Keep container tightly closed in a dry and well-ventilated place.

Incompatible materials Keep away from heat, flames and sparks.

8. Exposure controls/personal protection

Exposure guidelines Based on data available for ingredients.

Chemical name	Brazil
Dust, non-specific	TWA: 10 mg/m ³

Appropriate engineering controls

Engineering controls Ensure adequate ventilation. Avoid generation of dust and aerosols.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection	Wear protective gloves and protective clothing.
Hand protection	Wear protective gloves.
Respiratory protection	If exposure limits are likely to be exceeded or if irritation or other symptoms are experienced, NIOSH/MSHA or EN 136 approved respiratory protection should be worn.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with eyes, skin and clothing. Wear suitable gloves and eye/face protection.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Powder
Physical state	Solid
Color	White to off-white
Odor	Odorless
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	None known
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known
Flash point	No data available	CC (closed cup)
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	May form combustible dust concentrations in air
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	None known
Relative vapor density	No data available	None known
Relative density	No data available	None known
Water solubility	No data available	soluble
Solubility(ies)	No data available	None known
Partition coefficient	No data available	bioconcentration : None known
Autoignition temperature	No data available	No data available
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available	
Oxidizing properties	No data available	

Other information

Softening point	No information available
Molecular weight	> 1000

10. Stability and reactivity

Reactivity

Reactivity	Not expected.
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Chemical stability

Stability Stable under normal conditions.

Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Hazardous polymerization Hazardous polymerization does not occur.

Conditions to avoid

Conditions to avoid Heat, flames and sparks. May form combustible dust concentrations in air.

Incompatible materials

Incompatible materials Keep away from heat, flames and sparks.

Hazardous decomposition products

Hazardous decomposition products No hazardous decomposition products known.

11. Toxicological information

Information on likely routes of exposure

Product Information

Acute toxicity

Inhalation

No information or data specific to the product on this toxicological (health) effect is available.

Eye contact

No information or data specific to the product on this toxicological (health) effect is available.

Skin contact

No information or data specific to the product on this toxicological (health) effect is available.

Ingestion

No information or data specific to the product on this toxicological (health) effect is available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Get medical attention if irritation or other symptoms occur.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

Numerical measures of toxicity

Component Information

Classification based on data available for ingredients

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Hydroxypropyl methylcellulose	>4000 mg/kg (Rat)	>5000 mg/kg (Rabbit)	-

Hydroxypropyl methylcellulose 9004-65-3

Eye irritation Not expected

Skin irritation Not expected

Respiratory irritation Not expected

Sensitization	Not expected
Reproductive effects	Not expected
Mutagenic effects	Not expected
Systemic Toxicity	Not expected
Carcinogenicity	Not expected
Teratogenicity	Not expected

12. Ecological information

Ecotoxicity Based on data available for ingredients Based on data available for ingredients

Persistence and degradability Based on data available for ingredients.

Chemical name	Biodegradation
Hydroxypropyl methylcellulose 9004-65-3	Slow biodegradation

Mobility in soil No information available.

Bioaccumulative potential Based on data available for ingredients.

Chemical name	Bioaccumulation/Accumulation
Hydroxypropyl methylcellulose 9004-65-3	No bioaccumulation potential Molecular weight >1,000

Other adverse effects No information available.

13. Disposal considerations

Waste from residues/unused products Dispose of wastes in an approved waste disposal facility. Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

Contaminated packaging Dispose of empty containers and wastes safely. Dispose of waste product or used containers according to local regulations.

14. Transport information

IMDG Not regulated.

IATA Not regulated.

ANTT Not regulated

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Brazil

This Safety Data Sheet was prepared in accordance with the ABNT (Brazilian Association of Technical Standards) NBR 14725-4: 2014

Decreto nº 96044 /1988 and Resolução 420/2004 as amended - ANTT (Agência Nacional de Transportes Terrestres).

16. Other information

Revision date 02-May-2024

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Revision Note ***Indicates updated data since last publication.

This safety data sheet was created pursuant to the requirements of: ABNT NBR 14725-4:2014, ABNT NBR 14725-2:2019.

Disclaimer

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End of Safety Data Sheet