SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: United States of America

Revision date 03-Oct-2023 **Revision Number** 2

1. Identification

Product identifier

Product Name **METHOCEL™ E50 Premium LV Hydroxypropyl Methylcellulose**

Product Code(s) **61043776**

Recommended use of the chemical and restrictions on use

Recommended use Industrial***

Restrictions on use None under normal use conditions

Details of the supplier of the safety data sheet

Supplier Address
Nutrition & Biosciences USA 1, LLC
3490 Winton Place
Rochester, New York 14623
USA
+ 1 800 255 6837 (General Information)

E-mail address
sds.genencor@iff.com

Emergency telephone number
Local (Washington DC): +1 703-741-5970
Toll Free: 1-800-424-9300

2. Hazard(s) identification

Classification

Combustible dust	Yes

Label elements

Signal word: Warning

May form combustible dust concentrations in air

Hazards not otherwise classified (HNOC)
No hazards not otherwise classified were identified.

Other information
No information available.

3. Composition/information on ingredients

Substance

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

*The exact percentage (concentration) of composition has been withheld as a trade secret.

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.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

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.

Hazardous combustion products Smoke production.

Explosion data
Sensitivity to mechanical impact No.

Sensitivity to static discharge Yes.

Special protective equipment for fire-fighters Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide adequate protection.

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.

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.

8. Exposure controls/personal protection

Control parameters

Exposure Limits Based on data available for ingredients

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Dust, non-specific	TWA: 10 mg/m³ inhalable particles, recommended TWA: 3 mg/m³ respirable particles, recommended***	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 15 mg/m³ total	-

		dust (vacated) TWA: 5 mg/m^3 respirable fraction TWA: 15 mppcf respirable fraction TWA: 50 mppcf total dust	

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).

Hand protection Wear protective gloves.

Skin and body protection Wear protective gloves and protective clothing.

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 mild
Odor	No information available
Odor threshold	No information available

Property	**Values**	**Remarks • Method**
pH	5 - 8	aqueous solution
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		Not applicable to Solids
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	170 °C	Key literature references and sources for data Does not ignite before melting
Decomposition temperature	140	Differential Scanning Calorimetry (DSC)

Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	Solid

Other information

Explosive properties	No data available
Oxidizing properties	No information available
Molecular weight	> 1000

10. Stability and reactivity

Reactivity Not expected.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Hazardous polymerization Hazardous polymerization does not occur.

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

Incompatible materials Keep away from heat, flames and sparks.

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 Based on data available for ingredients

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Hydroxypropyl methylcellulose 9004-65-3	>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

Persistence and degradability Based on data available for ingredients.

Bioaccumulative potential Based on data available for ingredients.

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

Mobility in soil No information available.

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

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. Regulatory information

International Inventories Based on data available for ingredients

Chemical name	AICS	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS
Hydroxypropyl methylcellulose 9004-65-3	X	X	-	X	X	X	X

US Federal Regulations

TSCA A food, food additive, drug, cosmetic, or device, when manufactured, processed or distributed in commerce for use as a food, food additive, drug, cosmetic, or device is not subject to the notification requirements of the United States of America regulation 40 CFR 720.

Chemical name	CAS No	US TSCA Inventory listing	US TSCA active/inactive designation
Hydroxypropyl methylcellulose	9004-65-3	Present	Active

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories
Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations
Based on data available for ingredients

16. Other information

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

Revision date	03-Oct-2023
Revision Number	2
Revision Note	***Indicates updated data since last publication.

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet