



State of the art ingredients · fast friendly service

HydroxyEthylCellulose

1. Chemical Product and Company Identification

Name HydroxyEthylCellulose
In Case of Emergency
CHEMTREC: 800-424-9300

2. Hazards Identification

Physical State Solid. (Powder.)
Color White.
Odor Characteristic. (Slight.)
Emergency Overview

CAUTION!
MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.
MAY BE HARMFUL TO ENVIRONMENT IF RELEASED IN LARGE AMOUNTS.
Avoid contact with eyes, skin and clothing. Avoid breathing dust/vapor. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.

Routes of Entry Absorbed through skin. Dermal contact. Eye contact. Inhalation.

3. Composition/ Information on Ingredients

Name	CAS # %	by Weight
cellulose, ethyl 2-hydroxyethyl ether	9004-58-4	>90

4. First Aid Measures

Eye Contact Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 30 minutes. Cold water may be used. Get medical attention.

Skin Contact In case of contact, immediately flush skin with plenty of water. Remove Contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Medical Conditions Aggravated by Overexposure: Repeated or prolonged exposure is not known to aggravate medical condition.

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5. Fire Fighting Measures

Flammability of the Product	May be combustible at high temperature.
Auto-ignition Temperature	>150°C (302°F)
Flash Points	Closed cup: >150°C (302°F).
Flammable Limits	LOWER: 0.6% UPPER: 0.8%
Products of Combustion	These products are carbon oxides (CO, CO ₂), sulfur oxides (SO ₂ , SO ₃ ...), halogenated compounds, hydrogen chloride. Some metallic oxides.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Protective Clothing (Fire) Special Remarks on Explosion Hazards	Fine dust clouds may form explosive mixtures with air.

6. ACCIDENTAL RELEASE MEASURES

Small Spill and Leak	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill and Leak	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system

7. HANDLING AND SHIPPING

Handling	Avoid contact with eyes, skin and clothing. Avoid breathing dust/vapor. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.

8. Exposure Controls/ Personal Protection

Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal Protection	
Eyes	Splash goggles.
Body	Lab coat.
Respiratory	Dust protection mask
Hands	Gloves.
Feet	Suitable protective footwear.

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9. Physical and Chemical Properties

Physical State	Solid. (Powder.)
Color	White.
Odor	Characteristic. (Slight.)
Melting/Freezing Point	887.85°C (1630.1°F) based on data for: sodium sulfate. Weighted average: 844.35°C (1551.8°F)
Density	Weighted average: 1.57 g/cm ³
Vapor Pressure	The highest known value is 0.1 kPa (1 mmHg) (at 20°C) (sodium chloride).
Solubility	Soluble in cold water.
Dispersion Properties	See solubility in water.
Physical Chemical	Not available.
Comments	

10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility with Various Substances	Reactive with OXIDIZING AGENTS, acids.
Hazardous Decomposition Products	These products are halogenated compounds, hydrogen chloride.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Chronic Effects on Humans	CARCINOGENIC EFFECTS: Classified None. by NIOSH [sodium chloride]. Classified None. By NIOSH [sodium sulfate]. Classified A4 (Not classifiable for human or animal.) by ACGIH [glyoxal]. Classified None. by NIOSH [silica, amorphous, fumed]. Classified 3 (Not classifiable for human.) by IARC [silica, amorphous, fumed]. Classified A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC [2,6-ditert-butyl-p-cresol].
Acute Effects Skin	Moderately irritating to the skin.
Acute Effects Eyes	Moderately irritating to the eyes.

12. Regulatory Information

HCS Classification Not controlled under the HCS (United States).

U.S. Federal Regulations

- TSCA: All intentionally present components are listed on the TSCA inventory.
- DSL: All intentionally present components are listed on the DSL.
- TSCA 5(a)2 final significant rules: No products were found.
- CERCLA: Hazardous substances.: No products were found.
- SARA 302/304/311/312 extremely hazardous substances: No products were found.
- SARA 302/304 emergency planning and notification: No products were found.
- SARA 302/304/311/312 hazardous chemicals: sodium chloride; sodium sulfate
- SARA 311/312 MSDS distribution - chemical inventory - hazard identification: sodium chloride: Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard; sodium sulfate: Delayed (Chronic) Health Hazard
- SARA 313 Form R Reporting Requirements
No products were found.
- SARA 313 Supplier Notification

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No products were found.

Other Regulations Not applicable

State Regulations

Pennsylvania RTK: sodium sulfate: (environmental hazard, generic environmental hazard); silica, amorphous, fumed: (generic environmental hazard); 2,6-ditert-butyl-p-cresol: (generic environmental hazard)

Massachusetts RTK: sodium sulfate; silica, amorphous, fumed; 2,6-ditert-butyl-p-cresol

New Jersey: silica, amorphous, fumed; 2,6-ditert-butyl-p-cresol

California prop. 65: No products were found.

WHMIS (Canada) Not controlled under WHMIS (Canada).

CEPA DSL: cellulose, ethyl 2-hydroxyethyl ether; water; sodium chloride; sodium sulfate; glyoxal; silica, amorphous, fumed; 2,6-ditert-butyl-p-cresol

European Union

cellulose, ethyl 2-hydroxyethyl ether

Component

Not available.

EC Number

Not available.

EC Status

Not available.

EC Annex

Not available.

Other International Lists

Australia (NICNAS): cellulose, ethyl 2-hydroxyethyl ether; water; sodium chloride; sodium sulfate; glyoxal; silica, amorphous, fumed; 2,6-ditert-butyl-p-cresol

China IECSC:: cellulose, ethyl 2-hydroxyethyl ether; water; sodium chloride; sodium sulfate; glyoxal; silica, amorphous, fumed; 2,6-ditert-butyl-p-cresol

Germany water class: sodium chloride; sodium sulfate; glyoxal; silica, amorphous, fumed; 2,6-ditert-butyl-p-cresol

Japan (MITI): cellulose, ethyl 2-hydroxyethyl ether; water; sodium chloride; sodium sulfate; glyoxal; silica, amorphous, fumed; 2,6-ditert-butyl-p-cresol

Korea (TCCL): cellulose, ethyl 2-hydroxyethyl ether; water; sodium chloride; sodium sulfate; glyoxal; silica, amorphous, fumed; 2,6-ditert-butyl-p-cresol

Philippines (RA6969): cellulose, ethyl 2-hydroxyethyl ether; water; sodium chloride; sodium sulfate; glyoxal; silica, amorphous, fumed; 2,6-ditert-butyl-p-cresol

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