

Material Safety Data Sheet

12601 Twinbrook Parkway Rockville, MD 20852 USA Telephone calls: (301) 881-0666 8:00am - 5:00pm EST Mon. - Fri.

Responsible Party: Roger Williams

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HYDROXYPROPYL CELLULOSE

Catalog Number: 1329800 Package Size: 200 mg Revision Date: September 17, 2001

SECTION 1 - IDENTIFICATION

Common Name: Hydroxypropyl Cellulose Formula: n/f

Synonym: Hydroxypropylcellulose

Chemical Name: Cellulose, 2-hydroxypropyl ether

CAS Number: 9004-64-2 **RTECS Number:** NF9050000

Chemical Family: An Ether of cellulose

Therapeutic Category: Protectant (opthalmic); Pharmaceutic aid (emulsifier and tablet coating agent)

SECTION 2 - INGREDIENT INFORMATION

Principle Components Percent Exposure Limits

Hydroxypropyl Cellulose Pure Material n/f

SECTION 3 - HEALTH HAZARD INFORMATION

Usual Adult Dose: The usual adult dose of hydroxypropyl cellulose (topical, to the eye) is 5 mg per day. This material is also a

common food additive and is considered relatively non-toxic by ingestion.

Adverse Effects: Possible allergic reaction to material if inhaled, ingested or in contact with skin.

Overdose Effects: Ingestion of large amounts may cause diarrhea.

Acute: Possible eye, skin, gastrointestinal and/or respiratory tract irritation.

Chronic: Possible hypersensitization.

Inhalation: May cause irritation. Remove to fresh air.

Eye: May cause irritation, redness, blurred vision, light sensitivity, and swelling of eyelids. Flush with copious

quantities of water.

Skin: May cause irritation. Flush with copious quantities of water.

Ingestion: May cause irritation. Flush out mouth with water. This material is not absorbed from the gastrointestinal

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tract.

Medical Conditions

Aggravated by Exposure: Hypersensitivity to material.

Cross Sensitivity: n/f

Pregnancy Comments: Pregnancy problems have not been documented.

Pregnancy Category: n/f

SECTION 4 - FIRST AID MEASURES

General: Remove from exposure. Remove contaminated clothing. Persons developing serious hypersensitivity

(anaphylactic) reactions must receive immediate medical attention. If person is not breathing give artificial

respiration. If breathing is difficult give oxygen. Obtain medical attention.

Overdose Treatment: n/f

SECTION 5 - TOXICOLOGICAL INFORMATION

Oral Rat: LD50: 10200 mg/kg

Oral Mouse: LD50: > 5 grams/Kg

Irritancy Data: n/f

Target Organ(s): n/f

Listed as a Carcinogen? NTP: No IARC: No OSHA: No

Other: No

SECTION 6 - FIREFIGHTING MEASURES

Flash Point: n/f Upper Flammable Limit: n/f

Auto-Ignition Temperature: n/f Lower Flammable Limit: n/f

Extinguisher Media: Water spray, dry chemical, carbon dioxide or foam as appropriate for surrounding fire and materials.

Fire and Explosion Hazards: This material is assumed to be combustible. As with all dry powders it is advisable to ground

mechanical equipment in contact with dry material to dissipate the potential buildup of static electricity.

Firefighting Procedures: As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing

equipment and protective clothing.

SECTION 7 - PHYSICAL HAZARDS

Conditions to Avoid: Avoid exposure to moisture.

Incompatibilities: n/f

Decomposition Products: When heated to decomposition material emits acrid smoke and fumes. Emits toxic fumes under fire

conditions.

Stable? Yes Hazardous Polymerization? No

SECTION 8 - HANDLING / SPILL / DISPOSAL MEASURES

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> As a general rule, when handling USP Reference Standards avoid all contact and inhalation of dust, Handling:

> > mists, and/or vapors associated with the material. Wash thoroughly after handling.

Store in tight container as defined in the USP-NF. This material should be handled and stored per label Storage:

instructions to ensure product integrity.

Spill Response: Wear approved respiratory protection, chemically compatible gloves and protective clothing. Wipe up

spillage or collect spillage using a high efficiency vacuum cleaner. Avoid breathing dust. Place spillage

in appropriately labelled container for disposal. Wash spill site.

Dispose of waste in accordance with all applicable Federal, State and local laws. **Disposal:**

SECTION 9 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: When working with small quantities in a well-ventilated area, respiratory protection may not be

required. The use of an approved dust mask is recommended.

No special ventilation requirements. Ventilation:

Gloves: Rubber

Eve Protection: Safety Glasses

Protective Clothing: Protect exposed skin.

SECTION 10 - PHYSICAL AND CHEMICAL PROPERTIES

NOTE: The data reported below is general information, and is not specific to the USP Reference Standard Lot provided!

White to off-white powder or granular solid; practically odorless. **Appearance and Odor:**

softens at 130° C **Melting Point:**

n/f

Boiling Point:

Vapor Density: n/f **Solubility in Water:** Soluble below 40° C

Evaporation Rate: n/f **Specific Gravity:** n/f **Reactivity in Water:** n/f

% Volatile by Volume: n/f **Vapor Pressure:** n/f