

## Hydroxypropyl Methylcellulose


Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /  
March 26, 2012 / Rules and Regulation

Revision Date: 25-Jun-2024  
Supersedes: 22-Oct-2020

### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b>	Hydroxypropyl Methylcellulose	<b>Distributor:</b>	MakingCosmetics Inc.
<b>Synonyms:</b>	No data available	<b>Address:</b>	10800 231 <sup>st</sup> Way NE Redmond, WA 98053 (USA)
<b>INCI Name:</b>	Hydroxypropyl Methylcellulose, Sodium chloride	<b>Phone / Fax:</b>	425-292-9502 / 425-292-9601
<b>CAS Number:</b>	9004-65-3, 7647-14-5	<b>Web:</b>	<a href="http://www.makingcosmetics.com">www.makingcosmetics.com</a>
<b>Formula:</b>	No data available	<b>Emergency Telephone Number:</b>	1-800-424-9300 (Chemtrec)
<b>Product Form:</b>	Liquid		
<b>Product Use:</b>	Cosmetic use		

### 2 HAZARDS IDENTIFICATION

<b>GHS Classification:</b>	Skin Sensitization - Category 1												
<b>GHS Signal Word:</b>	<b>WARNING</b>												
<b>GHS Hazard Pictograms:</b>													
<b>GHS Hazard Statements:</b>	May form combustible dust concentrations in air. May cause an allergic skin reaction.												
<b>GHS Precautionary Statements:</b>	Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. IF ON SKIN: Wash with plenty of soap and water. If skin irritation of rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Dispose of contents/container to an approved waste disposal plant.												
<b>Potential Health Hazards:</b>	Eyes: May be an irritant. Inhalation: May be an irritant. Skin: Not expected to be an irritant. Ingestion: May cause nausea, vomiting, or diarrhea.												
<b>NFPA Ratings (704):</b>	<table border="1"> <tr> <td>Health</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Flammability</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Reactivity</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Specific Hazard</td> <td colspan="2">N/A</td> </tr> </table>	Health	N/A	N/A	Flammability	N/A	N/A	Reactivity	N/A	N/A	Specific Hazard	N/A	
Health	N/A	N/A											
Flammability	N/A	N/A											
Reactivity	N/A	N/A											
Specific Hazard	N/A												

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Hydroxypropylmethyl cellulose	9004-65-3	≥85 - <95%	Not Available
Sodium chloride	7647-14-5	≤5%	Not Available
Ethanedial	107-22-2	<0.9%	Not Available

### 4 FIRST AID MEASURES

<b>Eyes:</b>	Flush eyes with plenty of water; remove contact lenses after the first 1-2 minutes then continue flushing for several minutes. Only mechanical effects expected. If effects occur, consult a physician, preferably an ophthalmologist.
<b>Inhalation:</b>	Move person to fresh air; if effects occur, consult a physician.
<b>Skin:</b>	Remove material from skin immediately by washing with soap and plenty of water. Remove contaminated clothing and shoes while washing. Seek medical attention if irritation persists. Wash clothing before reuse.

**Ingestion:** Discard items which cannot be decontaminated, including leather articles such as shoes, belts, and watchbands. Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Seek medical attention if necessary.

## 5 FIRE-FIGHTING MEASURES

**Suitable (and unsuitable) extinguishing media:** May be combustible at high temperature. Use appropriate media (water, dry chemical fire extinguisher, carbon dioxide fire extinguishers) for adjacent fire. Do not use direct water jet. Keep people away. Isolate fire and deny unnecessary entry. Soak thoroughly with water to cool and prevent re-ignition. Cool surroundings with water to localize fire zone. Hand held dry chemical or carbon dioxide extinguishers may be used for small fires. Dust explosion hazard may result from forceful application of fire extinguishing agents. Wear positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

**Special protective equipment & precautions for firefighters:** Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots.

**Flash Points:** >482°F (>250°C)

**Specific hazards arising from the chemical:** During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Carbon monoxide. Carbon dioxide. Do not permit dust to accumulate. When suspended in air dust can pose an explosion hazard. Minimize ignition sources. If dust layers are exposed to elevated temperatures, spontaneous combustion may occur. Pneumatic conveying and other mechanical handling operations can generate combustible dust. To reduce the potential for dust explosions, electrically bond and ground equipment and do not permit dust to accumulate. Dust can be ignited by static discharge. See also Stability and Reactivity section.

## 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment & emergency procedures:** Isolate area. Keep unnecessary and unprotected personnel from entering the area. Spilled material may cause a slipping hazard. Use appropriate safety equipment. Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.

**Environmental precautions:** Avoid liquid release into sewers/public water/environment. Notify environmental authorities in case of leak.

**Methods and material for containment and cleaning up:** Contain spilled material if possible. Sweep up. Use care to minimize generation of airborne dust. Do not use water for cleanup. Collect in suitable and properly labeled containers. See Section 13, Disposal Considerations, for additional information.

## 7 HANDLING & STORAGE

**Precautions for safe handling:** Keep away from heat, sparks, and flame. No smoking, open flames, or sources of ignition in handling and storage area. Electrically ground and bond all equipment. Good housekeeping and controlling of dusts are necessary for safe handling of product. Pneumatic conveying and other mechanical handling operations can generate combustible dust. To reduce the potential for dust explosions, electrically bond and ground equipment and do not permit dust to accumulate. Dust can be ignited by static discharge. See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.

**Conditions for safe storage, incl. any incompatibilities:** Keep in a dry place. Store indoors. Store in a closed container. Store away from sources of heat or ignition. See Section 10 for more specific information.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Hydroxypropyl Methylcellulose	10mg/m <sup>3</sup>	TWA (total dust)	Dow IHG
Ethanedial	0.1mg/m <sup>3</sup>	TWA (inhalable fraction and vapor)	ACGIH
	Skin Sensitizer	TWA	ACGIH

0.1mg/m<sup>3</sup>  
Skin Sensitizer

TWA (aerosol)  
TWA

US WEEL  
US WEEL

TWA: Time Weighted Average over 8 hours of work.  
TLV: Threshold Limit Value over 8 hours of work.  
REL: Recommended Exposure Limit  
PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.  
IDLH: Immediately Dangerous to Life or Health  
WEEL: Workplace Environmental Exposure Levels  
CEIL: Ceiling

## Personal Protection:

- Eyes:** Use safety glasses (with side shields). If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles.
- Inhalation:** Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements. If there are no applicable exposure limit requirements, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or when indicated by your risk assessment process. For most conditions, no respiratory protection should be needed; however, in dusty atmospheres, use an approved particulate filter respirator.
- Body:** Use Neoprene, nitrile/butadiene, or polyvinyl chloride rubber gloves that are chemically resistant to this material. The selection of a specific glove for a particular application and duration of use in a workplace should also consider all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier. Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.
- Other:** Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements. If there are no applicable exposure limit requirements, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations. Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Powder	<b>Vapor Pressure:</b>	No data available
<b>Odor:</b>	Mild	<b>Vapor Density:</b>	No data available
<b>Odor Threshold:</b>	Not relevant	<b>Evaporation Rate:</b>	N/A for solids
<b>Color:</b>	White to off-white	<b>Flammability:</b>	May form explosive dust concentrations in air
<b>Molecular Weight:</b>	No data available	<b>Upper/lower Explosive Limit:</b>	N/A for solids
<b>pH:</b>	5-8	<b>Flash Point:</b>	>482°F (>250 °C)
<b>Boiling Point:</b>	N/A for solids	<b>Specific Gravity:</b>	No data available
<b>Melting Point:</b>	No data available	<b>Water Solubility:</b>	No data available
<b>Relative Density (Volume Displacement):</b>	1.3	<b>Auto-Ignition Temperature:</b>	338 °F (170 °C)
<b>Partition Coefficient: n-octanol/water:</b>	No data available	<b>Decomposition Temperature:</b>	No data available
<b>Kinematic Viscosity:</b>	Solid	<b>Explosive Properties:</b>	Not impact sensitive.
<b>Oxidizing Properties:</b>	No	<b>Freezing Point:</b>	Solid

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Stable under recommended storage conditions.
<b>Hazardous Polymerization:</b>	Polymerization will not occur.
<b>Conditions to Avoid:</b>	Avoid temperatures above 266°F (130 °C). Exposure to elevated temperatures can cause product to decompose. Avoid static discharge.
<b>Incompatible Materials:</b>	Avoid contact with oxidizing materials. Avoid contact with: Strong acids. Strong bases.
<b>Hazardous Decomposition Products:</b>	Decomposition products depend upon temperature, air supply and the presence of other materials.
<b>Possible Hazardous Reactions:</b>	Polymerization will not occur.

## 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	No data available.
<b>Skin:</b>	Prolonged skin contact is unlikely to result in absorption of harmful amounts. The dermal LD50 has not been determined. For the major component(s): (Rabbit) LD50: >5,000 mg/kg.
<b>Eyes:</b>	Solid or dust may cause irritation or corneal injury due to mechanical action.
<b>Inhalation:</b>	No adverse effects are anticipated from single exposure to dust. For respiratory irritation and narcotic effects: No relevant data found. The LC50 has not been determined.
<b>Ingestion:</b>	Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts. Single dose oral LD50 has not been determined. For the major component(s): (Rat) LD50: >5,000 mg/kg.
<b>Carcinogenicity:</b>	Similar cellulose derivatives did not cause cancer in long-term studies.
<b>Teratogenicity:</b>	Similar cellulose derivatives did not cause birth defects or other toxic effects to the fetus in laboratory studies.
<b>Germ Cell Mutagenicity:</b>	Similar cellulose derivatives were negative in both in vitro and genetic toxicity studies.
<b>Embryotoxicity:</b>	No data available.
<b>Specific Target Organ Toxicity:</b>	Evaluation of available data suggests that this material is not an STOT (single exposure) toxicant.
<b>Reproductive Toxicity:</b>	Similar cellulose derivatives have been shown not to interfere with reproduction.
<b>Sensitization:</b>	Skin contact may cause an allergic skin reaction.
<b>Corrosivity:</b>	Essentially non-irritating to skin.
<b>Repeated Dose Toxicity:</b>	Repeated ingestion of similar cellulose derivatives by humans has not resulted in known significant adverse effects.

## 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	No data available.
<b>Aquatic Vertebrate:</b>	Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 >100 mg/L in the most sensitive species tested).
<b>Aquatic Invertebrate:</b>	No data available.
<b>Terrestrial:</b>	No data available.
<b>Persistence and Degradability:</b>	For this family of materials: Material is expected to biodegrade very slowly (in the environment).
<b>Bioaccumulative Potential:</b>	No bioconcentration is expected because of the relatively high molecular weight (MW greater than 1000).
<b>Mobility in Soil:</b>	No data available.
<b>PBT and vPvB Assessment:</b>	No data available.
<b>Other Adverse Effects:</b>	No data available.

## 13 DISPOSAL CONSIDERATIONS

<b>Waste Residues:</b>	Do not dump into any sewers, on the ground, or any body of water. All disposal practices must comply with all Federal, State/Provincial, and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. For unused and uncontaminated product, the preferred options include sending to a licensed, permitted recycler, reclaimer, incinerator, or other thermal destruction device.
<b>Product Containers:</b>	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

## 14 TRANSPORT INFORMATION

<b>DOT (Dept. of Transportation, USA):</b>	Not regulated for transport.
<b>TDG (Transportation of Dangerous Goods, Canada):</b>	No data available.
<b>IMDG (International Maritime Dangerous Goods):</b>	Not regulated for transport.
<b>IATA (International Air Transport Association):</b>	Not regulated for transport.

**ICAO (International Civil Aviation Organization):**  
 Transport in bulk according to Annex I or II of  
 MARPOL 73/78 and the IBC or IGC Code:

Not regulated for transport.  
 Consult IMO regulations before transporting ocean bulk.

## 15 REGULATORY INFORMATION

<b>TSCA Inventory Status:</b>	All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory
<b>OSHA:</b>	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
<b>SARA SECTION 311/312:</b>	Combustible dust. Respiratory or skin sensitization.
<b>SARA SECTION 313:</b>	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
<b>CERCLA Section 103:</b>	This material does not contain any components with a CERCLA RQ.
<b>PA Right to Know:</b>	To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.
<b>DSCL (EEC):</b>	This product is not classified according to the EU regulations. Not applicable.
<b>Canada (WHMIS):</b>	Not controlled under WHMIS (Canada).
<b>Canada (DSL):</b>	No data available.
<b>EU (EINECS):</b>	No data available.
<b>China (IECSC):</b>	No data available.
<b>Australia (AICS):</b>	No data available.
<b>Japan (ENCS):</b>	No data available.
<b>Philippines (PICCS):</b>	No data available.
<b>Korea (KECI):</b>	No data available.
<b>New Zealand (NZIoC):</b>	No data available.
<b>California Prop 65:</b>	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## 16 OTHER INFORMATION

<b>Additional Abbreviations:</b>	ACGIH: USA. ACGIH Threshold Limit Values (TLV) Dow IHG: Dow Industrial Hygiene Guideline US WEEL: USA. Workplace Environmental Exposure Levels (WEEL) LC50: Lethal Concentration to 50 % of a test population. LD50: Lethal Dose to 50% of a test population.
<b>Revision Date:</b>	25-Jun-2024
<b>Compliance:</b>	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
<b>Disclaimer:</b>	This 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 other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.