Hydroxypropyl Guar

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

Revision Date: 16-Sep-2024
Supersedes: 20-Sep-2019

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Hydroxypropyl Guar
Synonyms: No data available
INCI Name: Hydroxypropyl Guar
CAS Number: 39421-75-5
Formula: No data available
Product Form: Solid
Product Use: Cosmetic use

Distributor: MakingCosmetics Inc.
Address: 10800 231st Way NE
Redmond, WA 98053 (USA)
Phone / Fax: 425-292-9502 / 425-292-9601
Web: **www.makingcosmetics.com**

Emergency Telephone Number: 1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification: Not classified.
GHS Labeling: Not a dangerous substance according to GHS.
GHS Hazard Pictograms: None.
GHS Hazard Statements: None.
GHS Precautionary Statements: None.
Potential Health Hazards: Eyes: Repeated and prolonged contacts may cause slight irritation.
Inhalation: Prolonged dusts exposures may cause slight and temporary irritation.
Skin: Repeated and prolonged contacts may cause slight irritation.
Ingestion: May cause nausea, vomiting, or diarrhea.

HMIS Ratings:

Health	1	Slight
Flammability	1	Slight
Reactivity	0	Minimal
Personal Protection	E	Wear safety glasses, gloves, dust respirator.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Hydroxypropyl Guar	39421-75-5	100%	Not Available

4 FIRST AID MEASURES

Eyes: Rinse immediately with plenty of water and seek medical attention.
Inhalation: Remove casualty to fresh air and keep warm and at rest.
Skin: Wash with plenty of water and soap.
Ingestion: Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Obtain a medical examination immediately.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: May be combustible at high temperatures. Use appropriate media (water, Carbon Dioxide (CO2)) for surrounding environment for adjacent fire. No unsuitable extinguish media listed.
Special protective equipment & precautions for firefighters: Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.
Flash Points: Not applicable.
Specific hazards arising from the chemical: Burning may produce heavy smoke. Do not inhale explosion and combustion gases. See also Stability and reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures: Do not try to clean up the leak without proper protective equipment. Remove all sources of ignition. Wear breathing apparatus if exposed to vapors/dusts/ aerosols. Provide adequate ventilation. Remove persons to safety. Use appropriate respiratory protection. 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: Wash with plenty of water. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling: Avoid contact with skin and eyes, inhalation of vapors, and mists. Do not use an extensive surface area in premises where there are occupants. Do not eat or drink while working. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.

Conditions for safe storage, incl. any incompatibilities: Keep containers closed. Store in a dry place away from moisture. Avoid accumulating electrostatic charge. Keep away from food, drink, and feed. Maintain adequate ventilation in working area. Store at ambient temperatures. Paper bags are the recommended packing material. Store away from incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limits	Basis	Entity
Hydroxypropyl Guar	Not available	Not available	Not available

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: Not required under normal conditions of use, but safety glasses are recommended.

Inhalation: Use adequate protective respiratory equipment. Select NIOSH/MSHA approved equipment.

Body: Chemical protective gloves should not be needed when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized. No special precaution must be adopted for normal use.

Other: 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

Appearance:	Powder	**Vapor Pressure:**	No data available
Odor:	Slight	**Vapor Density:**	No data available
Odor Threshold:	No data available	**Evaporation Rate:**	No data available
Color:	No data available	**Flammability:**	No data available
Molecular Weight:	No data available	**Upper/lower Explosive Limit:**	No data available
pH:	5.0 – 7.0 (10 g/l in water at 20°C)	**Flash Point:**	Not applicable
Boiling Point:	No data available	**Specific Gravity:**	No data available
Melting/Freezing Point:	No data available	**Water Solubility:**	Soluble
Relative Density:	No data available	**Auto-Ignition Temperature:**	No data available
Partition Coefficient: n-octanol/water:	No data available	**Decomposition Temperature:**	No data available
Viscosity:	No data available	**Explosive Properties:**	No data available
Oxidizing Properties:	No data available	**Metal Corrosion:**	No data available

10 STABILITY AND REACTIVITY

Reactivity:	Stable under normal conditions. As organic product, usual precautions to avoid explosion of dusts are recommended.
Chemical Stability:	Stable under normal conditions.
Hazardous Polymerization:	No data available.
Conditions to Avoid:	Stable under normal conditions.
Incompatible Materials:	Strong oxidizers.
Hazardous Decomposition Products:	Not known.
Possible Hazardous Reactions:	Stable under normal conditions.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available.
Skin:	Repeated and prolonged contacts may cause slight irritation. Source: By analogy to product with similar composition.
Eyes:	Repeated and prolonged contact may cause slight irritation. Source; By analogy to product with similar composition.
Inhalation:	Prolonged dusts exposures may cause slight and temporary irritation to respiratory system. May cause allergenic reactions in susceptible people. Source: By analogy to product with similar composition.
Ingestion:	(Rat, oral) Acute toxicity LD50 >5000 mg/kg - source: By analogy to product with similar composition.
Carcinogenicity:	Not listed as a carcinogen on NTP, IARC, OSHA, and NIOSH.
Teratogenicity:	No data available.
Germ Cell Mutagenicity:	Not mutagenic. Source: By analogy to product with similar composition.
Embryotoxicity:	No data available.
Specific Target Organ Toxicity:	No data available.
Reproductive Toxicity:	No data available.
Respiratory/Skin Sensitization:	Not sensitizing. Source: By analogy to product with similar composition.
Corrosivity:	No data available.

12 ECOLOGICAL INFORMATION

Ecotoxicity:	Aquatic acute toxicity: EC50/LC50 > 100 mg/l aquatic species (Literature data).
Aquatic Vertebrate:	No data available.
Aquatic Invertebrate:	No data available.
Terrestrial:	No data available.
Persistence and Degradability:	Chemical intrinsically biodegradable. Test: OECD 302B. Date: 65 - 81%. Notes: Data related to product with similar structure obtained by experimentation Lamberti. The natural polymers derivatives are not considered as readily biodegradable showing a biodegradation value <60% (OECD 301) but they have no environmentally concern due to the negligible bioaccumulation (log Pow <3) and can be easily removed in water treatment plants.
Bioaccumulative Potential:	Not Bioaccumulative (literature data, estimated).
Mobility in Soil:	No data available.
PBT and vPvB Assessment:	No data available.
Other Adverse Effects:	Use according to criteria of good industrial practice, avoiding product dispersion in the environment.

13 DISPOSAL CONSIDERATIONS

Waste Residues:	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.
Product Containers:	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

DOT (Dept. of Transportation, USA):	Not regulated.
TDG (Transportation of Dangerous Goods, Canada):	No data available.
IMDG (International Maritime Dangerous Goods):	Not regulated.
IATA (International Air Transport Association):	Not regulated.
ICAO (International Civil Aviation Organization):	Not regulated.
ADR (Road Transportation):	Not regulated.

15 REGULATORY INFORMATION

TSCA Inventory Status:	This substance is listed on the TSCA inventory. No TSCA limitations listed.
SARA Section 302:	Not listed under extremely hazardous substances.
SARA Section 304:	Not listed under Hazardous substances.
SARA 313:	Not listed under toxic chemical list.
CERCLA:	Not listed under the comprehensive environmental response, compensation, and liability act.
Clean Air Act (CAA):	Not listed under CAA.
Clean Water Act (CWA):	Not listed under CWA.
States Right to Know:	No substances listed under MA, NJ, PA.
California Prop. 65:	No substances listed.
Canada (DSL):	Registered.
EU (EINECS):	No data available.
China (IECSC):	No data available.
Australia (AICS):	No data available.
Japan (ENCS):	No data available.
Philippines (PICCS):	No data available.
Korea (KECI):	No data available.
New Zealand (NZIoC):	No data available.

16 OTHER INFORMATION

Revision Date:	16-Sep-2024
Compliance:	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
Disclaimer:	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 suitableness & completeness of such information for his own particular use.