Xanthan Gum, Prehydrated

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

Revision Date: 09/09/2020
Supersedes: 06/23/2017

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Xanthan Gum, Prehydrated
Synonyms: Not available
INCI Name: Xanthan Gum
CAS Number: 11138-66-2
Formula: $C_{35}H_{49}O_{29}$
Product Form: Powder
Product Use: Cosmetic use

Distributor: MakingCosmetics.com 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 classified
GHS Hazard Pictograms: None
GHS Hazard Statements: None
GHS Precautionary Statements: May form combustible dust concentrations in air (during processing).
Potential Health Hazards: Eyes: May be irritant.
Inhalation: May be irritant.
Skin: May be irritant.
Ingestion: May be irritant.

NFPA Ratings (704):

Health	0	Minimal
Flammability	1	Slight
Reactivity	0	Minimal
Specific Hazard	n/a	

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Xanthan Gum	11138-66-2	100%	Not available

4 FIRST AID MEASURES

Eyes: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If easy to do, remove contact lens, if worn.
Inhalation: If breathed in, move person into fresh air.
Skin: Get medical aid if irritation develops or persists. No specific treatment is necessary, since this material is not likely to be hazardous.
Ingestion: Clean mouth with water and afterwards drink plenty of water. Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Seek medical attention if symptoms occur.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: May be combustible at high temperature. Use appropriate media (foam, carbon dioxide, dry chemical, water spray) for adjacent fire. Do not use high volume water jet as it may scatter and spread fire.
Special protective equipment & precautions for firefighters: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots. In the event of fire and/or explosion do not breathe fumes.
Flash Points: No data available
Specific hazards arising from the chemical: Carbon dioxide (CO2) and carbon monoxide. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Avoid dust formation. 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 breathing dust. Ensure adequate ventilation, especially in confined areas. 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. Notify environmental authorities in case of large leaks.
Methods and material for containment and cleaning up:	Sweep up and place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	Normal measures for preventive fire protection. Risk of dust explosion. Do not breathe dust. Avoid contact with skin and eyes. 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 container tightly close in a dry and well-ventilated area. Minimize dust generation and accumulation. Take measures to prevent the buildup of electrostatic charge. Keep away from heat and incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limits	Basis	Entity
Xanthan Gum	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:	Safety glasses should be worn.
Inhalation:	Provide adequate ventilation. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escapes of dust into the work area (i.e. there is no leakage from the equipment). In the case of dust or aerosol formation use respirator with an approved filter. Use NIOSH approved respiratory protection.
Body:	Choose body protection according to the amount and concentration of the dangerous substance at the workplace. Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to the chemicals of the aforementioned protective gloves with the glove manufacturer.
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:	Off-white, beige powder	**Vapor Pressure:**	Not applicable
Odor:	Characteristic	**Vapor Density:**	Not applicable
Odor Threshold:	Not determined	**Evaporation Rate:**	Not applicable
Color:	Off-white, beige	**Flammability:**	Does not ignited
Molecular Weight:	No data available	**Upper/lower Explosive Limit:**	No data available
pH:	6-8	**Flash Point:**	Not applicable
Boiling Point:	Not applicable	**Specific Gravity @ 25°C:**	1.05-1.20
Melting Point:	Decomposes without melting	**Solubility:**	Soluble in water Dispersible in alcohol
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:	Not applicable	**Explosive Properties:**	Not explosive
Oxidizing Properties:	No oxidizing effect	**Freezing Point:**	No data available
Bulk Density:	650-850 kg/m^3	**Dust Explosion Class:**	St1

10 STABILITY AND REACTIVITY

Reactivity:	No decomposition if stored and applied as directed.
Chemical Stability:	Stable under normal conditions.
Hazardous Polymerization:	No dangerous reactions known under conditions of normal use.
Conditions to Avoid:	Avoid dust formation.
Incompatible Materials:	No data available
Hazardous Decomposition Products:	Buildup of dangerous/toxic fumes possible in cases of fire/high temperature. Carbon dioxide (CO2), carbon monoxide.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available
Skin:	No skin irritation
Eyes:	No eye irritation
Respiratory:	21 mg/L (1h)
Ingestion:	LD50: 45,000 mg/kg LD50: 20,000 mg/kg
Carcinogenicity:	Not classifiable as a human carcinogen
Teratogenicity:	No data available
Germ Cell Mutagenicity:	No mutagenic effects
Embryotoxicity:	No data available
Specific Target Organ Toxicity:	No data available
Reproductive Toxicity:	Fertility and developmental toxicity tests did not reveal any effect on reproduction.
Respiratory/Skin Sensitization:	No known sensitizing effect
Corrosivity:	No skin irritation
Sensitization:	No data available
Irritation:	No data available
Repeated Dose Toxicity:	No adverse effect has been observed in chronic toxicity tests.

12 ECOLOGICAL INFORMATION

Ecotoxicity	
Aquatic Vertebrate:	420 mg/L (96h) (*Oncoryhnchus mykiss*)
Aquatic Invertebrate:	No data available
Terrestrial:	No data available
Persistence and Degradability:	Biodegradation: 78% (28d) (OECD Guideline 301F). Readily biodegradable. Biochemical Oxygen Demand (BOD): 200 mg/g (within 5d)
Bioaccumulative Potential:	The product is miscible in water and readily biodegradable in both water and soil. Accumulation is not expected.
Mobility in Soil:	No data available
PBT and vPvB Assessment:	This substance is not considered to be persisted, bioaccumulating and toxic (PBT).
Other Adverse Effects:	This product has no known ecological effects.

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 container.
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 as a dangerous good
TDG (Transportation of Dangerous Goods, Canada):	No data available
IMDG (International Maritime Dangerous Goods):	Not regulated as a dangerous good
IATA (International Air Transport Association):	Not regulated as a dangerous good
ICAO (International Civil Aviation Organization):	No data available

15 REGULATORY INFORMATION

TSCA Inventory Status:	On TSCA Inventory.
DSCL (EEC):	All components of this product are on the Canadian DSL.
WHMIS (Canada):	No data available
EU EINECS/ELINCS/NLP:	On the inventory, or in compliance with the inventory
China IECSC:	No data available
China IECIC (06.30.2014):	No data available
Australia AICS:	No data available
SARA 311/312 Hazards:	Fire hazard
SARA 302:	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313:	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.
Clean Water Act:	This product does not contain any toxic pollutants listed under the US Clean Water Act Section 307.
California Prop. 65:	This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

16 OTHER INFORMATION

Revision Date:	09/09/2020
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.