

7820 E. Pleasant Valley Road
Independence, OH 44131
(800) 908-7028
www.crafters-choice.com

Xanthan Gum

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Xanthan Gum
Chemical Formula: $(C_{35}H_{49}O_{29})_n$
CAS Number: 11138-66-2
Other Designations: Polysaccharide gum
Derivation: Water-soluble bi-polymer made by fermentation of carbohydrates.

Details of the Supplier of the Safety Data Sheet

Crafter's Choice Brands, LLC
7820 E. Pleasant Valley Road
Independence, Ohio 44131
Phone: 1-800-908-7028
www.Crafters-Choice.com

Emergency Telephone Number: ChemTel

(800) 255-3924 Domestic USA, Canada, Puerto Rico, and US Virgin Islands
+1 813 248-0585 International

Section 2: HAZARDS IDENTIFICATION

This material can form dust that may cause skin or mucous membrane irritation. Symptoms may include redness, burning, and swelling. Although they may cause respiratory tract irritation, nuisance dusts do not form scar tissue or affect the structure of air spaces in the lungs. Their effects on the tissues are potentially reversible.

Potential Health Effects

Primary Entry Routes: Inhalation, skin contact, eye contact
Target Organs: None

Classifications of the Substance or Mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Combustible dust

GHS Label Elements, Including Precautionary Statements

Pictogram

None

Signal word

Hazard Statement(s)

May form combustible dust concentrations in air

Precautionary Statement(s)

None

Hazards not otherwise classified (HNOC) or not covered by GHS: Combustible dust

Acute Effects

Inhalation: This material is a dust or may produce dust. Breathing small amounts of this material is not likely to be harmful.

Eye: Dust can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

Skin: Unlikely to cause skin irritation or injury.

Ingestion: Swallowing this material is not likely to be harmful.

Carcinogenicity: IARC, NTP, OSHA and CA Prop 65 do not list Xanthan Gum as a carcinogen.

Medical Conditions Aggravated by Long-Term Exposure: None known.

Chronic Effects: None known

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS NUMBER	EINECS/ELINCS	% wt OR % vol
Xanthan Gum	11138-66-2	234-394-2	98.0 - 100

Trace Impurities:

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Xanthan Gum	10mg/m ³	None estab.	15 mg/m ³	None estab.	None estab.	None estab.	None estab.

Section 4: FIRST AID MEASURES

Inhalation: If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Eye Contact: If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

Skin Contact: First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.

Ingestion: First aid is not normally required. If symptoms develop, seek medical attention.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Note to Physicians:

Special Precautions/Procedures:

Section 5: FIRE-FIGHTING MEASURES

Flash Point: N/A

Flash Point Method: N/A

Auto-Ignition Temperature: N/A

LEL: N/A

UEL: N/A

Flammability Classification:

Extinguishing Media: regular foam, water fog, carbon dioxide, sand.

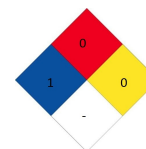
Unusual Fire or Explosion Hazards: Organic dusts can form explosive mixtures in air.

Hazardous Combustion Products: May form: carbon dioxide and carbon monoxide.

Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face-piece operated in pressure-demand or positive-pressure mode.

NFPA



Section 6: ACCIDENTAL RELEASE MEASURES

Spill /Leak Procedures:

Small Spills: Sweep up material for disposal or recovery.

Large Spills

Containment: For large spills, dike far ahead of spill for later disposal. Shovel material into containers. Do not release into sewers or waterways.

Cleanup: Thoroughly sweep area of spill to clean up any residual material.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Section 7: HANDLING AND STORAGE

Handling Precautions: Use good personal hygiene practices. All hazard precautions given in the data sheet must be observed.

Storage Requirements: Store in a cool, dry place at 75 °C or lower.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls:

Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. *Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.* If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

Protective Clothing/Equipment: Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: solid

Appearance and Odor: beige powder / bland odor

Odor Threshold:

Vapor Pressure:

Vapor Density (Air=1):

Formula Weight:

Density:

Specific Gravity (H₂O=1, at 4 °C): 1.5 @77°F

pH: no data

Water Solubility: soluble

Other Solubilities:

Boiling Point: no data

Freezing/Melting Point: no data

Viscosity: no data

Refractive Index:

Surface Tension:

% Volatile:

Evaporation Rate:

Section 10: STABILITY AND REACTIVITY

Stability: Xanthan Gum is stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization cannot occur.

Chemical Incompatibilities: Strong oxidizing agents.

Conditions to Avoid: Protect from moisture.

Hazardous Decomposition Products: Thermal oxidative decomposition of Xanthan Gum can produce carbon dioxide and carbon monoxide.

Section 11: TOXICOLOGICAL INFORMATION

Toxicity Data:*

Acute toxicity

No data available

Inhalation: No data available

Dermal: No data available

No data available

Acute Oral Effects:

Rat, oral, LD₅₀: mg/kg

Chronic Effects: no data available

Carcinogenicity: : no data available

Mutagenicity: : no data available

Teratogenicity: : no data available

* See NIOSH, RTECS, for additional toxicity data

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: no data available

Environmental Fate: no data available

Environmental Degradation: no data available

Soil Absorption/Mobility: no data available

Section 13: DISPOSAL CONSIDERATIONS

Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

Disposal Regulatory Requirements:

Section 14: TRANSPORT INFORMATION

Not regulated for transportation

US DOT (49 CFR 172.101): PSN: Hazard Class: UN Number: Packing Group:	IATA PSN: Hazard Class: UN Number: Packing Group:
TDG PSN: Hazard Class: UN Number: Packing Group:	IMDG/IMO PSN: Hazard Class: UN Number: Packing Group:

Section 15: REGULATORY INFORMATION

US FEDERAL

TSCA

CAS# 11138-66-2 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

SARA 311/312 Hazards: No SARA Hazards

Section 313 No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depletors.

This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

California Proposition 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: OTHER INFORMATION

Disclaimer: All information, recommendations and suggestions appearing herein are based upon sources believed to be reliable: However, it is the user's responsibility to determine the safety, toxicity and suitability for its own use of this product. CRAFTER'S CHOICE BRANDS, LLC DOES NOT ASSUME ANY LIABILITY ARISING OUT OF THE USE BY OTHERS OF THIS PRODUCT.