

**Crafter's Choice™ Xanthan Gum –
Transparent Thickener****Section 1: PRODUCT AND COMPANY IDENTIFICATION****1.1 Product Identifier**

Product Name: CRAFTER'S CHOICE™ XANTHAN GUM – TRANSPARENT THICKENER
Molecular Formula: (C35-H49-O29)n
CAS-No: 11138-66-2
Chemical Nature: Solid

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use: Food additive; Cosmetic additive; Medical aids; Industrial use
Restrictions on Use: None known

1.3 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

1.4 Emergency Telephone Number: ChemTel (MIS3548100)

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

Section 2: HAZARDS IDENTIFICATION**2.1 GHS Classification**

This substance is not a hazardous substance or mixture according to GHS.

2.2 GHS Labelling - Label Elements

No GHS label elements required.

2.3 Hazards Not Otherwise Classified

May form combustible dust concentrations in air (during processing).

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substance / Mixture - Substance**

No ingredients are hazardous according to OSHA criteria

Section 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

Protection of first aiders:	No hazards which require special first aid measures.
Inhalation:	If inhaled, move person to fresh air.
Skin Contact:	Immediately flush skin with large amounts of water.
Eye Contact:	If easy to do, remove contact lenses. Immediately flush eyes with plenty of water.
Ingestion:	Clean mouth with water and then drink plenty of water.

4.2 Notes to physician

Symptoms:	No information available
Risks:	None known
Treatment:	Treat symptomatically

SECTION 5: FIRE FIGHTING MEASURES

5.1 Fire Fighting

Suitable extinguishing media: Water spray; dry powder; foam; carbon dioxide (CO₂)

Further Information: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. In the event of fire and/or explosion, do not breathe fumes.

5.2 Protective Equipment and Precautions for Firefighters

Specific hazards during firefighting: Do not use a solid water stream as it may scatter and spread fire. Exposure to decomposition products may be a hazard to health. Hazardous decomposition products formed under fire conditions.

Special equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary. Wear fire resistant or flame retardant clothing.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Avoid dust formation.
 Avoid breathing dust.
 Ensure adequate ventilation, especially in confined areas.
 Refer to protective measures listed in sections 7 and 8.

6.2. Environmental Precautions Prevent further leakage or spillage if safe to do so.
 No special environmental precautions required.

6.3. Methods and Material for Containment and Cleaning Up

Methods for Containment Use mechanical handling equipment.
 Keep in suitable, closed containers for disposal.

Methods for Cleaning Up Clean contaminated surface thoroughly.
 See Sections 13 and 15 for information regarding certain local or national requirements.

Section 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Advice on Safe Handling Risk of dust explosion.
 Avoid creating dust.
 May form combustible dust concentrations in air (during processing).
 Do not breathe dust.
 Avoid contact with skin and eyes.
 Wear personal protective equipment.

**Advice on Protection
Against Fire and Explosion** Normal measures for preventive fire protection.
 To avoid ignition of vapors by static electricity discharge, all metal parts of the
 equipment must be grounded

Dust Explosion Class St1

7.2 Conditions for Safe Storage, including any Incompatibilities

Storage Requirements Keep containers tightly closed in a dry, cool and well ventilated place.
 Take measures to prevent the buildup of electrostatic charge.
 Avoid moisture.
 Do not store at temperatures above 30°C / 86°F.

Other No special restrictions on storage with other products.
 No decomposition if stored and applied as directed.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Components w/ Workplace Control Parameters	Contains no substances with occupational exposure limit values.
8.2 Engineering Measures	Provide adequate ventilation.
8.3 Personal Protective Equipment	
Respiratory Protection	For dust/aerosol formation, use respirator with an approved filter Use NIOSH approved respiratory protection.
Hand Protection	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 application, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.
Eye/Face Protection	Safety glasses
Skin and Body Protection	Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hygiene Measures	Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene & safety practice. Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Powder
Color	Off-White, Beige
Odor	Characteristic
Odor Threshold	Not Determined
pH	6-8, (25°C)
Flash Point	Not applicable
Evaporation Rate	Not applicable
Flammability (solid, gas)	Flammable solid
Bulk Density	500-700 kg/m ³ (ca.)
Solubility (ies)	
Water Solubility	Completely soluble
Solubility in other solvents	Insoluble, dispersible – Solvent: Alcohol
Partition coefficient	No data available
Ignition Temperature	No data available
Thermal Decomposition	No data available

Section 10: STABILITY AND REACTIVITY

10.1 Reactivity	No decomposition if stored and applied as directed.
10.2 Chemical Stability	Stable under normal conditions.
10.3 Possibility of Hazardous Reactions	None known
10.4 Conditions to Avoid	Avoid dust formation
10.5 Incompatible Materials	No data available
10.6 Hazardous Decomposition Products	Build-up of dangerous/toxic fumes possible in case of fire/high temperature.

Section 11: TOXICOLOGY INFORMATION

11.1 Acute Toxicity

Components

Xanthan Gum:

Acute oral toxicity: LD50 Oral Rat: 45,000 mg/kg

LD50 Oral Mouse: 20,000 mg/kg

Acute inhalation toxicity: Rat: 21 mg/l

Exposure time: 1 hour

Assessment: The substance or mixture has no acute inhalation toxicity

Remarks: An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.

Acute dermal toxicity: Remarks: No skin irritation

11.2 Skin Corrosion/Irritation

Components

Xanthan Gum:

Species: Rat

Exposure time: 360 hours

Result: No skin irritation

Remarks: No skin irritation

Species: Rabbit

Exposure time: 120 hours

Result: No skin irritation

Remarks: No skin irritation

11.3 Serious Eye Damage/Eye Irritation

Components

Xanthan Gum:

Species: Rat
Exposure time: 120 hours
Result: No eye irritation
Remarks: No eye irritation

11.4 Respiratory or Skin Sensitization

Components

Xanthan Gum:

Species: Guinea pig
Result: Did not cause sensitization on laboratory animals
Remarks: No known sensitizing effect

11.5 Germ Cell Mutagenicity

Components

Xanthan Gum:

Germ Cell Mutagenicity

Assessment

Animal testing did not show any mutagenic effects

11.6 Carcinogenicity

Components:

Xanthan Gum:

Carcinogenicity

No classifiable as a human carcinogen. Did not show carcinogenic, teratogenic or mutagenic effects in animal experiments.

11.7 Reproductive Toxicity

Components:

Xanthan Gum:

Effects on fertility

Species: Rat
Dose: 0.5 g/kg/d

Remarks: Fertility and developmental toxicity tests did not reveal any effect on reproduction.

STOT – Single Exp.

No data available

STOT - Repeated Exp.

No data available

11.8 Repeated Dose Toxicity

Components:

Xanthan Gum:

Rat: < 1000 mg/kg
Application Route: Oral
Exposure time: 24h

Remarks: No adverse effect has been observed in chronic toxicity tests.

Repeated dose toxicity

Assessment

No adverse effect has been observed in chronic toxicity tests.

11.9 Aspiration Toxicity

Components:

Xanthan Gum No aspiration toxicity classification

11.10 Potential Health Effects

Aggravated Medical

Conditions None known

Overexposure Symptoms No information available

11.11 Experience with Human Exposure

Inhalation Respiratory system
No information available

Skin contact Skin
No information available

Eye contact Eyes
No information available

Ingestion Digestive organs
No information available

NTP – No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

IARC – No component of this product present at levels greater than or equal to 0.1% is identified as probably, possible or confirmed human carcinogen by IARC.

OSHA - No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

ACGIH - No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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

Section 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Product:

Toxicity to fish Remarks: No adverse effect has been observed in acute toxicity tests.

Components

Xanthan Gum:
Toxicity to fish (Oncorhynchus mykiss (rainbow trout)): 420 mg/l
Exposure time: 96 hours

12.2 Persistence and Degradability

Components:

Xanthan Gum:

Biodegradability	Biodegradation: 78% Exposure time: 28 d Method: OECD Test Guideline 301F Remarks: Readily biodegradable
Biochemical Oxygen Demand (BOD)	Biochemical oxygen demand within 5 days 200 mg/g

12.3 Bioaccumulative Potential

Product:

Partition coefficient: N-octanol/water	Remarks: No data available
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Components:

Xanthan Gum: Bioaccumulation	Remarks: The product is miscible in water and readily biodegradable in both water and soil. Accumulation is not expected.
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12.4 Mobility in Soil

Components

Xanthan Gum: Distribution among environmental compartments	Remarks: No data available
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12.5 Other Adverse Effects

Components:

Xanthan Gum: Result of PBT and vPvB Assessment	This substance is not considered to be persistent, bioaccumulating and toxic (PBT).
Additional information	This product has no known ecotoxicological effects.

Section 13: DISPOSAL CONSIDERATIONS

13.1 Disposal Methods

Waste from Residues	Where possible recycling is preferred to disposal or incineration Can be landfilled or incinerated, when in compliance with local regulations.
Contaminated Packaging	Take empty containers to an approved waste handling site for recycling or disposal. Dispose of as unused product.

Section 14: TRANSPORT INFORMATION

DOT:	Not dangerous goods
IATA:	Not dangerous goods
IMDG:	Not dangerous goods

Section 15: REGULATORY INFORMATION

- SARA/311/312 Hazards:** No SARA Hazards
- 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.
- California Prop 65:** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

- REACH** This substance is exempt from registration according to Regulation (EC) No. 1970/2006 (REACH)
- EINECS** On the inventory, or in compliance with the inventory
- TSCA** On TSCA Inventory
- DSL** All components of this product are on the Canadian DSL

Inventories

AICS (Australia), DSL (Canada), IECSC (China), ENCS (Japan), ISHL (Japan), KECI (Korea), NZLoC (New Zealand), PICCS (Philippines), TSCA (USA)

Section 16: OTHER INFORMATION

Further Information

The information in this Safety Data Sheet is correct to the best of our knowledge, information and belief, at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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 process, unless specified in the text.

Revision date: 05/28/2015

End of Safety Data Sheet