

SAFETY DATA SHEET

SECTION: 1.1 PRODUCT IDENTIFICATION

Product Name: Xanthan Gum
Product Use: Food additive, Thickening agent, Stabilizer

SECTION: 1.2 COMPANY IDENTIFICATION

Company: Essential Depot Inc.
2029 US Hwy 27 S
Sebring, Florida 33870
Phone: 863-662-0481
Emergency Phone: CHEMTREC, Inside the USA: 1-800-424-9300

SECTION: 2. HAZARDS IDENTIFICATION

Emergency Overview Warning. May form combustible dust concentrations in air (during processing and handling). Product dust mild, mechanical irritation.

Appearance: Cream to Light yellow

Physical State: Solid / Powder or Granules

Odor: Characteristic

This product IS classified as hazardous according to 29 CFR 1910.1200 (known as HCS 2012), amended to conform to the United Nations' Globally Harmonized System of Classification and Labeling of Chemicals (GHS). Depending on the intended use, this product is classified as hazardous according to the criteria contained in the Hazardous Products Regulations SOR/2015-17 , also known as WHMIS 2015.

NOTE: Certain products covered under other Canadian legislation, including but not limited to cosmetics, devices, drugs or food (as de med in the Food and Drugs Act), pest control products (as defined in the Pest Control Products Act), consumer products (as defined in the Canada, Consumer Product Safety Act), and Hazardous waste (being a hazardous product that is sold for recycling or recovery and is intended for disposal), are NOT subject to the label and SOS requirements of the Hazardous Products Regulations (SOR/2015-17), also known as WHMIS 2015. As supplied for use in food, an SOS and WHMIS compliant labeling are NOT required for this product. Since Canadian

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employers must still provide education and training on health effects, safe use, and storage, and in the interest of providing relevant product information to our customers, this SOS is being provided on a voluntary basis.

OSHA Defined Hazard(s) Combustible Dust

HPR Defined Hazard(s) Combustible Dust

Signal Word: Warning

Hazard Statement(s): May form combustible dust concentrations in air.

NFPA



Health: 0

Flammability:

Stability and Reactivity: 0

Physical Hazard: None Known

SECTION: 3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	Weight %	North American Substance Hazard Class
Xanthan Gum	11138-66-2	99-100	None-known

Chemical Nature of the preparation

Substance

Chemical Family

Polysaccharide gums

SECTION: 4. FIRST AID MEASURES

Description of first aid measures:

Eye Contact Rinse thoroughly with plenty of water, also under the eyelids.

Skin Contact Wash off with warm water and soap.

Inhalation Move to fresh air.

Ingestion Clean mouth with water and afterwards drink plenty of water.

Most important symptoms and affects, both acute and delayed:

Eyes Dust may cause mechanical irritation ion to eyes resulting in redness or watering.

Skin Product dust may cause mild, mechanical irritation.

Inhalation Dust may cause irritation of respiratory tract. See section 8 of this sheet for exposure limns pertaining to nuisance dust or "particulates not

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otherwise regulated”.

Ingestion may cause irritation to mucous membranes. Product may expand upon contact with moisture.

Main Symptoms Itching. Shortness of breath.

Indication of any immediate medical attention and special treatment needed:

Notes to Physician Special forms of treatment and immediate medical attention are not specified. Treat Symptomatically.

SECTION: 5. FIRE FIGHTING MEASURES

Flammable Properties:	Fine dust dispersed in air may ignite. Risk of ignition followed by flame propagation or secondary explosions should be prevented by avoiding accumulation of dust, e.g. on floors and ledges. As with most organic solids, combustion is possible at elevated temperatures or by contact with an ignition source.
Suitable Extinguishing Media:	No information available
Unsuitable Extinguishing Media:	Hazardous decomposition products may be formed at extreme heat or if burned.
Hazardous Combustion Products:	Thermal decomposition can lead to release of irritating gases and vapors, Carbon monoxide (CO), Carbon dioxide (CO ₂).
Specific Hazards Arising from the Chemical:	None Known
Sensitivity to mechanical impact:	No information available
Sensitivity to static discharge:	Yes (as dust)
Further Information:	Dust explosibility class= 1 [Kst (bar-m/sec) = 92]. Weak to moderately explosive
Advice for fire-fighters:	Protective Equipment and Precautions for Firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHN NIOSH (approved or equivalent) and full protective gear.

NFPA



Health: 0
 Flammability: 1
 Known

Stability and Reactivity: 0
 Physical Hazard: None

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SECTION: 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Avoid dust formation. Use personal protective equipment. For personal protection see section 8.

Methods and materials for containment and cleaning up:

Clean up promptly by sweeping or vacuum.

Environmental precautions

Prevent further leakage or spillage if safe to do so.

SECTION: 7. HANDLING AND STORAGE

Handling:

Ensure adequate ventilation. Avoid dust formation in confined areas. Fine dust dispersed in air may ignite. Refer to NFPA 61, "Standard for the Prevention of Fires and Dust Explosions in Agricultural and Food Processing Facilities".

Storage:

Keep in a dry, cool and well-ventilated place.

SECTION: 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits:

Where exposure limits have not been established for specific components of this material, please observe the OSHA and ACGIH established limits for particulates not otherwise classified (PNOC). OSHA PEL: [15mg/m³ (total dust) 8-hr TWA], [5 mg/m³ (respirable) 8-hr TWA]

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Biological Limit Values:	No biological limit values have been listed for the component(s) of this product.
Appropriate Engineering Controls:	Ensure adequate ventilation, especially in confined areas. Apply technical measures to comply with the occupational exposure limits. However it is the duty of the user to verify this and follow given exposure limits at the workplace
General Hygiene Considerations:	Handle in accordance with good industrial hygiene and safety practice.
Eye/face Protection:	If exposed to airborne dust, appropriate safety glasses with side-shields or safety goggles are recommended. If airborne dust concentrations are excessive, wear goggles,
Skin and Body Protection:	Protective clothing and gloves may be worn to reduce the potential of mechanical irritation.
Respiratory Protection:	If exposed to airborne dust, use appropriate NIOSH approved (or equivalent) respiratory protection.

SECTION: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Cream to Light yellow
Physical State:	Solid / Powder or Granules
Odor:	Characteristic
Odor Threshold:	No information available
pH:	Neutral
Flash Point:	Not applicable
Autoignition Temperature:	390 °C / 734 °F
Boiling Point:	Not applicable
Melting/Freezing Point:	No information available
Decomposition temperature:	No information available
Oxidizing Properties:	No information available
Water Solubility:	Soluble
Evaporation Rate:	Not applicable
Vapor Pressure:	Not applicable
Vapor Density:	Not applicable

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Specific Gravity / Relative Density: No information available

Partition Coefficient (n-octanol/water): No information available

SECTION: 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Chemical stability: Chemically stable.
Incompatible materials: Strong oxidizing agents.
Hazardous decomposition products: Thermal decomposition may lead to release of Carbon monoxide (CO) and Carbon dioxide (CO₂)
Possibility of hazardous reactions: Hazardous polymerization does not occur.
Conditions to avoid: Avoid dust formation. Heat, flames and sparks

SECTION: 11. TOXICOLOGICAL INFORMATION

Acute toxicity: Based on available data, no evidence of acute toxicity.
Skin corrosion/irritation: Based on available data, not, or only slightly irritating.
Serious eye damage / eye irritation: Based on available data, the classification criteria are not met.
Respiratory or skin sensitization: Based on available data, the classification criteria are not met.
Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity: Based on available data, the classification criteria are not met.
STOT - Single Exposure: Based on available data, the classification criteria are not met.

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STOT - Repeated Exposure:	Based on available data, the classification criteria are not met.
Aspiration Hazard:	Based on available data, the classification criteria are not met.
Eyes:	Dust may cause mechanical irritation to eyes resulting in redness or watering.
Skin:	Product dust may cause mild, mechanical irritation.
Inhalation:	Dust may cause irritation of respiratory tract. See section 8 of this sheet for exposure limits pertaining to nuisance dust or "particulates not otherwise regulated".
Ingestion:	Ingestion may cause irritation to mucous membranes. Product may expand upon contact with moisture.
Main Symptoms:	Itching. Shortness of breath.

SECTION: 12. ECOLOGICAL INFORMATION

Ecotoxicity:	Contains no substances known to be hazardous to the environment. Contains no substances known to be not degradable in waste water treatment plants.
Persistence/Degradability:	Expected to be biodegradable
Mobility:	Soluble in Water
PBT and vPvB assessment:	No information available
Other adverse effects:	Nothing specific known

SECTION: 13. DISPOSAL CONSIDERATION

Whenever possible, as rules and regulations allow, please recycle or manage materials to minimize waste.

Waste Disposal Methods:	Dispose of in compliance with the laws and regulations pertaining to this product in your jurisdiction.
Contaminated Packaging:	Empty containers should be decontaminated and taken for local recycling, recovery or waste disposal.

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SECTION: 14. TRANSPORT INFORMATION

Domestic transport regulations (USA) DOT: Not regulated.
 Domestic transport regulations (Canada): TDG: Not regulated.
 Domestic transport regulations (Mexico): MEX: Not regulated
 International Transport Regulations: ICAO: Not regulated
 IATA: Not regulated
 IMDG/IMO: Not regulated

SECTION: 15. REGULATORY INFORMATION

International Inventories

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

Chemical Name	TSCA	DSL	NDSL	ICL	EINECS	ELINCS	AICS
Xanthan Gum	Yes	Yes	No	No	Yes 234-394-2	No	Yes

Chemical Name	ENCS ISHL	CHINA	PICCS	KECL	Taiwan	Turkey	NZIoC
Xanthan Gum	Yes (8)-535	Yes	Yes	Yes KE-35422	Yes	Yes 234-394-2	Yes

USA

Federal Regulations:

Ozone Depleting Substances: No Class I or Class II material is known to be used in the manufacture of, or contained in, this product.

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- SARA 313:** Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not known To contain any chemicals which are subject to the reporting requirements of the Act or regulations contained in 40 CFR 372^
- CERCLA/SARA 103-302:** Sections 103-302 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not mown to contain any chemicals which are subject to the reporting requirements of the Act or regulations contained in 40 CFR 103-302.
- SARA 311/312 Hazardous Categorization:** Refer to the OSHA hazard classification(s) provided in section 2 of this SDS.
- Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 63):** This product is not known to contain any HAPS.

State Regulations

- California Proposition 65:** This product is not known to contain chemicals listed under Proposition 65.
- State Right-to-Know:** No known components subject to "Right-To-Know" legislation.

Canada

- (NPRI) Canadian National Pollutant Release Inventory:** No known component Is listed on NPRI.

Mexico

- Mexico - Grade** Slight risk, Grade 1

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SECTION: 16. OTHER INFORMATION

Creation Date: October 7, 2008
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