

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name: **Xanthan Gum**

Synonyms: -

Cat. No.: T0992-2004

CAS No.: 11138-66-2

EC No.: 234-394-2

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses:  
 Food/ feedstuff additives  
 Cosmetic additive  
 Medical aids  
 Industrial use

Uses advised against: None known

### 1.3 Details of the supplier of the SDS

Supplier: Hefei TNJ Chemical Industry Co.,Ltd.

Address: D1508 Xincheng Center, Qianshan Road, Zhengwu District, Hefei, Anhui 230022 China

E-mail: sales@tnjchem.com

Telephone: + 86 551 65418684

Fax: + 86 551 65418697

### 1.4 Emergency telephone number

In China: + 86 551 65418684 (Monday to Friday, 8:30a.m. to 5:30p.m., Beijing Time)

## Section 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

### 2.2 GHS Label elements, including precautionary statements

Hazard pictogram(s):	
Signal word:	Warning
Hazard Statements:	Not a hazardous substance or mixture. May form combustible dust concentrations in air.

### 2.3 Other hazards

#### Hazards not otherwise classified (HNOC)

None

## Section 3: Composition/information on ingredients

### 3.1 Component information

Ingredients	CAS No.	EC No.	Content (%)
Xanthan gum	11138-66-2	234-394-2	100

## Section 4: First aid measures

**General advice:** Do not leave the victim unattended.

**If inhaled :** If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.

**In case of skin contact :** Wash off with warm water.

**In case of eye contact :** Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.

**If swallowed :** Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

**Most important symptoms and effects, both acute and delayed:** None known.

**Notes to physician :** Treat symptomatically.

## Section 5: Fire-fighting measures

**Suitable extinguishing media :** Water spray, Dry powder, Carbon dioxide (CO<sub>2</sub>), Foam

**Unsuitable extinguishing media:** High volume water jet

**Hazardous combustion products:** Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

**Further information :** Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Special protective equipment for firefighters :** Wear self-contained breathing apparatus for firefighting if necessary.

## Section 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures :** Avoid dust formation.

**Environmental precautions :** If the product contaminates rivers and lakes or drains inform respective authorities.

**Methods and materials for containment and cleaning up :** Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

## Section 7: Handling and storage

**Advice on protection against fire and explosion :** Provide appropriate exhaust ventilation at places where dust is formed.

**Advice on safe handling :** Avoid creating dust. For personal protection see section 8. Smoking, eating and drinking should be prohibited

in the application area.

**Conditions for safe storage :** Electrical installations / working materials must comply with the technological safety standards.

**Materials to avoid :** No materials to be especially mentioned.

**Further information on storage stability :** Keep in a dry place. No decomposition if stored and applied as directed.

## Section 8 : Exposure controls/personal protection

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

**Engineering measures :** Provide adequate ventilation.

### Personal protective equipment

**Respiratory protection :** General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection Remarks : Wear suitable gloves.

Eye protection : Safety glasses

Skin and body protection : Protective suit

Hygiene measures : General industrial hygiene practice.

## Section 9: Physical and chemical properties

Appearance : powder

Colour : off-white, beige

Odour : characteristic

Odour Threshold : not determined

pH : 5.5 - 8.5

Melting point/range : Decomposes without melting.

Boiling point/boiling range : Not applicable

Flash point : Not applicable

Flammability (solid, gas) : does not ignite

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapour pressure : Not applicable

Relative vapour density : Not applicable

Relative density : No data available

Density : No data available

Solubility(ies)

Water solubility : completely soluble

Solubility in other solvents : insoluble, dispersible

Solvent: Alcohol

Partition coefficient: noctanol/water : No data available

Auto-ignition temperature : Not applicable

Decomposition temperature : No data available

Viscosity Viscosity, kinematic : Not applicable

Explosive properties : Not explosive  
Oxidizing properties : No oxidising effect.  
Dust explosion class : St1

## Section 10: Stability and reactivity

**Reactivity** : No decomposition if stored and applied as directed.

**Chemical stability** : No decomposition if stored and applied as directed.

**Possibility of hazardous reactions** : Stable under recommended storage conditions. No hazards to be specially mentioned. Dust may form explosive mixture in air.

**Conditions to avoid** : No data available

**Incompatible materials** : Not applicable

**Hazardous decomposition products** : Build-up of dangerous/toxic fumes possible in cases of fire/high temperature. Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

## Section 11: Toxicological information

### Acute toxicity

Not classified based on available information.

#### 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 h

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

### Skin corrosion/irritation

Not classified based on available information.

#### Components:

##### **Xanthan Gum:**

Species : Rat

Exposure time : 360 h

Result : No skin irritation

Species : Rabbit

Exposure time : 120 h

Result : No skin irritation

### Serious eye damage/eye irritation

Not classified based on available information.

#### Components:

##### **Xanthan Gum:**

Species : Rat

Result : No eye irritation

Exposure time : 120 h

### **Respiratory or skin sensitisation**

**Skin sensitisation** Not classified based on available information.

**Respiratory sensitisation** Not classified based on available information.

#### **Components:**

##### **Xanthan Gum:**

Species : Guinea pig

Result : Did not cause sensitisation on laboratory animals.

### **Germ cell mutagenicity**

Not classified based on available information.

#### **Components:**

##### **Xanthan Gum:**

Germ cell mutagenicity - Assessment : Animal testing did not show any mutagenic effects.

### **Carcinogenicity**

Not classified based on available information.

#### **Components:**

##### **Xanthan Gum:**

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

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

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**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.

### **Reproductive toxicity**

Not classified based on available information.

#### **Components:**

##### **Xanthan Gum:**

Reproductive toxicity - Assessment : No data available

### **STOT - single exposure**

Not classified based on available information.

#### **Components:**

##### **Xanthan Gum:**

Remarks : No data available

### **STOT - repeated exposure**

Not classified based on available information.

#### **Components:**

##### **Xanthan Gum:**

Remarks : No data available

### **Repeated dose toxicity**

#### **Components:**

##### **Xanthan Gum:**

Species : Rat : < 1000 mg/kg

Application Route : Oral

Exposure time : 24 h

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.

#### **Aspiration toxicity**

Not classified based on available information.

#### **Experience with human exposure**

##### **Product:**

**Inhalation :** Target Organs: Respiratory system

Symptoms: No information available.

**Skin contact :** Target Organs: Skin

Symptoms: No information available.

**Eye contact :** Target Organs: Eyes

Symptoms: No information available.

**Ingestion :** Target Organs: Digestive organs

Symptoms: No information available.

#### **Further information**

##### **Product:**

Remarks : No data available

## **Section 12: Ecological information**

#### **Ecotoxicity**

##### **Components:**

##### **Xanthan Gum:**

Toxicity to fish : (Oncorhynchus mykiss (rainbow trout)): 420 mg/l

Exposure time: 96 h

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

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

Toxicity to algae/aquatic plants : Remarks: No data available T

Toxicity to microorganisms : Remarks: No data available

#### **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

Stability in water : Remarks: Not applicable

#### **Bioaccumulative potential**

##### **Components:**

##### **Xanthan Gum:**

Bioaccumulation : Remarks: The product is miscible in water and readily biodegradable in both water and soil. Accumulation is not expected.

#### **Mobility in soil**

##### **Components:**

##### **Xanthan Gum:**

Distribution among environmental compartments : Remarks: No data available

Stability in soil : Remarks: Readily biodegradable.

#### **Other adverse effects**

##### **Product:**

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S.

Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : No data available

## **Section 13: Disposal considerations**

#### **Disposal methods**

**Waste from residues** : In accordance with local and national regulations. Where possible recycling is preferred to disposal or incineration. **Contaminated packaging** : Empty containers should be taken to an approved waste handling site for recycling or disposal.

## **Section 14: Transport information**

#### **International Regulations**

##### **IATA-DGR**

Not regulated as a dangerous good

##### **IMDG-Code**

Not regulated as a dangerous good

##### **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

#### **National Regulations**

##### **DOT**

Not regulated as a dangerous good

## **Section 15: Regulatory information**

#### **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

#### **SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

#### **SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Combustible dust

**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 Air Act**

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).  
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).  
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

#### **Clean Water Act**

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.  
This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.  
This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307  
This product does not contain any priority pollutants related to the U.S. Clean Water Act

#### **US State Regulations**

##### **Massachusetts Right To Know**

No components are subject to the Massachusetts Right to Know Act.

##### **Pennsylvania Right To Know**

Xanthan Gum      Not Assigned

##### **Maine Chemicals of High Concern**

Product does not contain any listed chemicals

##### **Vermont Chemicals of High Concern**

Product does not contain any listed chemicals

##### **Washington Chemicals of High Concern**

Product does not contain any listed chemicals

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

TSCA : All substances listed as active on the TSCA inventory  
AIIC : On the inventory, or in compliance with the inventory  
DSL : All components of this product are on the Canadian DSL  
ENCS : On the inventory, or in compliance with the inventory  
ISHL : On the inventory, or in compliance with the inventory  
KECI : On the inventory, or in compliance with the inventory  
PICCS : On the inventory, or in compliance with the inventory  
IECSC : On the inventory, or in compliance with the inventory  
NZIoC : On the inventory, or in compliance with the inventory  
TCSI : On the inventory, or in compliance with the inventory

#### **TSCA list**

No substances are subject to a Significant New Use Rule.  
No substances are subject to TSCA 12(b) export notification requirements

## **Section 16: Other information**

None.

Declare to reader

The information in this Safety Data Sheet (SDS) was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal

of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. According to REACH Article 31(5), the SDS shall be supplied in an official language of the Member State(s) where the substance or mixture is placed on the market, unless the recipient Member State(s) concerned provide otherwise. It should also be noted that this SDS is applicable to the countries with English as an official language.