

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

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GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

1.IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers

Product/Chemical Name : Xanthan gum

Derivation : Water-soluble bi-polymer made by fermentation of carbohydrates.

Chemical Formula : (C₃₅H₄₉O₂₉)_n

Product Number : G1253

Brand : Fufeng

CAS-No. : 11138-66-2

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

Identified uses : Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company : Neimenggu Fufeng Biotechnologies Co.,Ltd.
Jing'er Rd., Jinchuan District Adm. Committee, Industrial Economic
Zone, Hohhot City, Inner Mongolia, China 010070

Telephone : +86-471-5661195

Fax : +86-471-5661190

E-mail address : trade@fufeng-group.com

1.4 Emergency telephone number

Emergency Phone # : +86-471-5661190

2.HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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

This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Primary Entry Routes: Inhalation, Skin contact, Eye contact.

2.3 Target Organs: none

2.4 Classification of the substance or mixture

2.5 Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

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.

2.6 Other hazards - none

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	10 mg/m ³	none estab.	15 mg/m ³	none estab.	none estab.	none estab.	none estab.

4.FIRST AID MEASURES

4.1 Description of first aid

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.

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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.

4.2 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:None

Special Precautions/Procedures:no data available

5.Fire-Fighting Measures

Flash Point: N/A

NFPA Flash Point Method: N/A

0

Autoignition Temperature: N/A

1 0 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

Advice for firefighters:Wear self contained breathing apparatus for fire fighting if necessary.

— apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

6.Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas.

6.2 **Spill /Leak Procedures:**

6.3 **Small Spills:**

Sweep up material for disposal or recovery.

6.4 **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.

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

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

7.Handling and Storage

7.1 **Precautions for safe handling**

Provide appropriate exhaust ventilation at places where dust is formed.Normal measures for preventive fire protection.

7.2 **Conditions for safe storage, including any incompatibilities**

Store in cool place (0-35°C) . Keep container tightly closed in a dry and wellventilated place. hygroscopic

7.3 **Specific end uses**

no data available

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

8 Exposure Controls / Personal Protection

8.1 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.

8.2 Administrative Controls:

8.3 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.

8.4 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.

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

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

8.7 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.

9. Physical and Chemical Properties

Physical State: solid

Appearance and Odor: beige powder/bland odor

Odor Threshold:

Vapor Pressure:

Vapor Density (Air=1):

Chemical Formula: (C₃₅H₄₉O₂₉)_n

Formula Weight:

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

pH: no data

Water Solubility: soluble

Boiling Point: no data

Freezing/Melting Point: no data

Viscosity: no data

Refractive Index:no data

Surface Tension:no data

% Volatile:no data

Evaporation Rate:no data

Density:no data

Boiling Range: no data

Flash Point: no data

Flammability: no data

Upper/Lower Flammability or Explosive Limits: no data

Partition Coefficient: n-octanol/water: no data

Auto-Ignition Temperature: no data

Decomposition Temperature: no data

10. Stability and Reactivity

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

10.2 Polymerization: Hazardous polymerization cannot occur. **Chemical Incompatibilities:** Strong oxidizing agents. **Conditions to Avoid:** Protect from moisture.

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

11. Toxicological Information

11.1 Information on toxicological

Acute Oral Effects:

Rat, oral, LD50: mg/kg

Chronic Effects: no data available

Mutagenicity: : no data available

Teratogenicity: : no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

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.

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Potential health effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information

RTECS: Not available

12. Ecological Information

12.1 Toxicity

Toxicity to fish LC50 - *Oncorhynchus mykiss* (rainbow trout) - 320 - 560 mg/l - 96 h

12.2 Persistence and degradability

no data available

12.3 Bioaccumulative

potential no data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB

assessment no data available

12.6 Other adverse

effects no data available

12.7 Ecotoxicity:

no data available

12.8 Environmental Fate:

no data available

12.9 Environmental Degradation: no data available

12.10 Soil Absorption/Mobility: no data available

13. Disposal Considerations

13.1 Waste treatment

Disposal: Offer surplus and non-recyclable solutions to a licensed disposal company. Follow applicable Federal, state, and local regulations.

13.2 Contaminated packaging

Dispose of as unused product.

14. Transport Information

14.1 UN number

ADR/RID: - **IMDG:** - **IATA:** -14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - **IMDG:** - **IATA:** -

14.4 Packaging group

ADR/RID: - **IMDG:** - **IATA:** -

14.5 Environmental hazards

ADR/RID: no **IMDG** Marine pollutant: no **IATA:** no

14.6 Special precautions for user

no data available

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 Prop. 65 Components

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

16. Other Information

Further information

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