



SAFETY DATA SHEET
XANTHAN GUM

Page: 1

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

1.1. Product identifier

Product name: XANTHAN GUM

CAS number: 11138-66-2

EINECS number: 234-394-2

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

Use of substance / mixture: Thickening agent. Cosmetics. Food Additive.

1.3. Details of the supplier of the safety data sheet

Company name: Fluid Science Limited

Unit 5 Pride Point

Ashcroft Road

Knowsley Industrial Park

L33 7TW

United Kingdom

Tel: 01244 837 860 (09:00 – 17:30 Mon-Fri)

Email: sales@fluidscienceltd.com

1.4. Emergency telephone number

Emergency tel: 0870 190 6777 (National Chemical Emergency Centre) +44 (0)1270 502891

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: This product has no classification under CLP.

2.2. Label elements

Label elements: This product has no label elements.

2.3. Other hazards

PBT: This substance is not identified as a PBT substance.

Section 3: Composition/information on ingredients

3.1. Substances

Chemical identity: XANTHAN GUM

[cont...]

SAFETY DATA SHEET

XANTHAN GUM

Page: 2

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact:

Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. If irritation develops or persists seek medical attention.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: If conscious, wash the mouth out with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. If irritation develops or persists seek medical attention.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If symptoms develop seek medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact:

May cause mild irritation to areas of broken or sensitive skin. There may be mild discomfort and redness.

Eye contact: May cause mild irritation. May cause mechanical irritation to the eyes.

Ingestion: May cause mild irritation of the gastrointestinal tract if large quantities are ingested.

Inhalation: May cause irritation of the mucous membranes and respiratory system. May cause shortness of breath, sneezing and coughing.

Delayed / immediate effects: No symptoms.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: * No special requirements. Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: No known unsuitable extinguishing media. Use extinguishing media suitable for other constituents of the fire.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: The product does not support combustion. In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

[cont...]

SAFETY DATA SHEET

XANTHAN GUM

Page: 3

Personal precautions: Wear suitable protective clothing. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Do not create dust.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Product may be dampened with a little water to reduce dust formation. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

6.4. Reference to other sections

Reference to other sections: * Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Wear suitable protective clothing. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of dust in the air. Avoid contact with the material and breathing its dust.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Avoid contact with water or humidity. Avoid incompatible materials and conditions - see section 10 of SDS.

Suitable packaging: Paper, plastic or poly-lined bags or kegs.

7.3. Specific end use(s)

Specific end use(s): No special requirement.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	-	-	4 mg/m ³	-

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure all engineering measures mentioned in section 7 of SDS are in place.

Respiratory protection: Respiratory protective device with particle filter.

Hand protection: Protective gloves.

Eye protection: Safety goggles. Ensure eye bath is to hand.

Skin protection: Protective clothing. Boots. Ensure safety shower is to hand.

Environmental: No special requirement.

[cont...]

SAFETY DATA SHEET
XANTHAN GUM

Page: 4

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Powder

Colour: White - Beige

Odour: Characteristic odour

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Soluble

Also soluble in: Insoluble in alcohol.

Viscosity: Not Applicable.

Autoflammability°C: > 200

Relative density: 650 - 850 g/ml

pH: 6.0 - 8.0 (1 %)

9.2. Other information

Other information: Product is not flammable.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat. Moist air. Humidity. Moisture.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:

[cont...]

SAFETY DATA SHEET

XANTHAN GUM

Page: 5

Route	Species	Test	Value	Units
ORAL	RAT	LD50	45000	mg/kg

Symptoms / routes of exposure

Skin contact: May cause mild irritation to areas of broken or sensitive skin. There may be mild discomfort and redness.

Eye contact: May cause mild irritation. May cause mechanical irritation to the eyes.

Ingestion: May cause mild irritation of the gastrointestinal tract if large quantities are ingested.

Inhalation: May cause irritation of the mucous membranes and respiratory system. May cause shortness of breath, sneezing and coughing.

Delayed / immediate effects: No symptoms.

Other information: There is no further information at this time.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: Not applicable.

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Product is not expected to bioaccumulate.

12.4. Mobility in soil

Mobility: Soluble in water. Non-volatile.

12.5. Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT substance.

12.6. Other adverse effects

Other adverse effects: There is no data available at present. Not expected to cause significant environmental impact. Do not allow to enter watercourses or soils. Spillage in sewers or waterways must be avoided.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: * Transfer to a suitable container and arrange for collection by specialised disposal company.

Recovery operations: * No information available at this time.

Disposal of packaging: Contaminated containers must not be treated as household waste. Where practical, containers and packaging should be recycled by a licenced contactor.

[cont...]

SAFETY DATA SHEET
XANTHAN GUM

Page: 6

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Specific regulations: No specific applicable legislation.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

There are no exposure levels set for the specific product thus the following levels should be adhered to,

Total Inhalable Dust (8 hr TWA): 10 mg/m³
hr TWA): 4 mg/m³

Respirable Dust (8

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

SAFETY DATA SHEET

XANTHAN GUM