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

Product Name: Xanthan Gum Food Grade
Use: Texture agent for food formulations.
Filler in pharmaceuticals (*)

Company name: Nexchem Ltd
Unit 1 Underwood Court
Elm Tree Avenue
Glentfield
Leicester
Leicestershire
LE3 8SG
Tel: 0116 2311130
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Emergency Tel: +44 (0) 116 2877916 or +44 (0) 7714 303742 (24 Hours)
Email: sales@nexchem.co.uk

2. HAZARDS IDENTIFICATION

SUBSTANCE:
Chemical Name: Heteropolysaccharide
CAS No: 11138 – 66 -2

3. COMPOSITION / INFORMATION ON INGREDIENTS

MOST IMPORTANT HAZARDS:
Adverse human health effects: No specific risk when handled in accordance with good occupational hygiene and safety practices.

Environmental Effects: Presents no particular risk to the environment, provided the disposal requirements (see section 13) and national or local regulations are complied with.

Physical & Chemical Hazards:
Fire or Explosion: Does NOT present any particular fire hazard. Finely divided solid. Dust explosion possible when mixed with air.

Further Hazards: No specific hazard under normal conditions of use. Classification/Specific Hazards: According to EC criteria, this product is not classified as a “hazardous substance”.

Further information: In the presence of water, if spilled, this product will cause the floor to be slippery.

[cont…]
4. FIRST AID MEASURES

Inhalation: Move the affected person away from the contaminated area and into the fresh air. Make the affected person rest. If necessary seek medical advice.

Skin Contact: Rinse with plenty of water.

Eye Contact: Immediately rinse with water for a prolonged period whilst keeping the eyes wide open. If irritation persists, consult an eye specialist.

Ingestion: Rinse mouth out with water. If the quantity swallowed is significant: DO NOT give the affected person anything to drink, even if he is fully conscious. NEVER attempt to induce vomiting. Call a doctor immediately.

5. FIRE-FIGHTING MEASURES

Extinguishing Media:
Suitable: Water spray
Foam
Multi-purpose powders
Carbon Dioxide (CP2)

Not suitable: Strong water jet

Specific Hazards: Risk of ignition of dust cloud

Protection of fire-Fighters: For further information refer to Section 8 “Exposure controls/personal protection”

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with eyes
Do not breathe dust
For further information refer to Section 8 “Exposure-controls/personal protection”

Environmental Precautions: This product does not present any particular risk for the environment.
Avoid direct discharge into drains.

Methods for cleaning up:
Prohibited: As far as possible, do NOT spray packaging which has been damaged or overturned with water.

Recovery: Sweep up or vacuum up the product.

Cleaning/Decontamination: If necessary, wash with water following recovery

Further Information:
Warning: Wet product is slippery
7. HANDLING AND STORAGE

HANDLING:
Technical Measures: Dust extraction (suction)
Measures: Avoid the formation or spread of dust in the atmosphere.
Safe Handling Advice: Comply with instructions for use.

STORAGE:
Technical measures: Does not require any specific or particular technical measures.

Storage Conditions:
Recommended:
To guarantee the quality and properties of the product keep: The container tightly closed and dry in a cool, dry area

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures: Ensure good ventilation of the workstation
Control Parameters: Occupational Exposure
Limits:
Limits (France): No specific limits
Total dust – VME: 10 mg/m³
Alveolar dusts – VME: 5 mg/m³

Limits (USA/A.C.G.I.H.): No specific limits
Inhalable dust (total) – TLV (TWA): 10 mg/m³
Respirable particles 0 TLV (TWA): 3 mg/m³

Personal protective equipment:
Respiratory protection: If the ventilation is suitable, it is not essential to wear respiratory equipment.
Handling large quantities of product: Half-mask
Eye Protection: Safety spectacles.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:
Physical state: Solid
Form: fine powder
Colour: creamy white
Odour: slight
pH: 6 – 8 (aqueous solution – 1g/100ml)

[cont…]
Specific temperatures:
Melting: > 1450°C

Flammability characteristics:
Flash point: not applicable (non-flammable solid)
Auto-ignition temperature: 1500°C (spontaneous ignition temperature)
Oxidising Properties: Non-oxidizing material according to EC criteria.

Explosion Properties:
Explosive limits in air: (Dusts).
Lower: 15 g/m³
Upper: not determined
Minimum ignition energy: > 1000 mJ (Dusts) (20 1 sphere) ST Class 1
Apparent specific gravity: 0.5 – 0.6 kg/dm³

Solubility:
In water: Soluble
In organic solvents: Insoluble or practically insoluble in common organic solvents.

Further Information: Depending on the concentration, a colloidal solution, thick paste or gel is formed.

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use.
Hazardous reactions: Strong oxidizing agents
Hazardous decomposition products: (Carbon oxides (CO + CO₂)).

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: LD₅₀ oral (Rat): > 5000 mg/kg (unpublished reports)

Local Effects: No irritation to skin of rabbits has been found for 5% solution. (Unpublished reports).
Not irritating to rabbits on ocular application (1% solution) (unpublished reports).


Repeated dose toxicity: No irreversible effects were observed during chronic oral toxicity tests.
NOEL (po): 250 mg/kg/day (Dog) (unpublished reports)

Specific Effects: Carcinogenicity: No carcinogenic effects have been observed (published data).

Reproductive toxicity: Fertility and development toxicity tests did not reveal any effect on reproduction. (published data).
12. ECOLOGICAL INFORMATION

MOBILITY: Expected behaviour of the product: Ultimate destination of the product: WATER

BIODEGRADABILITY: Ultimate aerobic biodegradability: Readily biodegradable

ECOTOXICITY: Effects on the aquatic environment: The product does not have any known adverse effects on the aquatic organisms tested.

LC 50 (Fish, Onchorhyncus mykiss) 96h: 430 mg/l. (published data).

13. DISPOSAL CONSIDERATIONS

Waste from Residues:
Destruction/Disposal: May be disposed of with non-hazardous industrial waste.

Contaminated Packaging:
Decontamination/cleaning: Cleaning is not required prior to disposal
Destruction/Disposal: Dispose of at an approved site.

NOTE: The user’s attention is drawn to the possible existence of local regulations regarding disposal.

14. TRANSPORT INFORMATION

International Regulations:
Land:
Rail/Road (RID/ADR): NOT restricted
Sea (IMO/IMDG): NOT restricted

Marine pollutant: NO
Air (ICAO-IATA): NOT restricted

NOTE: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.

15. REGULATORY INFORMATION

Labelling:
EC Regulations: Mandatory labelling (self-classification) of hazardous substances: not applicable

Note: The regulatory information given above only indicates the principal regulations specifically Applicable to the product described in the safety data sheet. The user’s attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Registration numbers: Registered in the EINECS inventory
Registered in the TSCA inventory.
Legal disclaimer:

The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.