Richest Group
No. 999, Jiangyue Rd, Minhang, Shanghai 201114, China
Tel: 0086 21 5017 5386
E-mail: inquiry@richest-group.com
Web: www.richest-group.com

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Product: Xanthan Gum	**Revision date:** 2026-10-29	**Version:** 1.0	**Brand:** Richest

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

Product name	Xanthan Gum
Synonyms	Xanthan; E415; Corn sugar gum
CAS No.	11138-66-2
EC No.	234-394-2
Molecular formula	(C35H49O29)n
Molecular weight	Variable (typically > 1,000,000 g/mol)
Relevant identified uses	Polysaccharide thickener, suspending and stabilizing agent for food, cosmetic, pharmaceutical and oil-drilling applications.
Uses advised against	None
Company	Richest Group Ltd.
Address	No. 999, Jiangyue Rd, Minhang, Shanghai 201114, China
Telephone	+86 21 5017 5386
WhatsApp	+86 13472638548
E-mail	inquiry@richest-group.com
Website	www.richest-group.com
Emergency telephone number	+86 13472638548

SECTION 2: Hazards identification

GHS Classification	Not classified as hazardous according to Regulation (EC) No 1272/2008
Pictogram(s)	None
Signal word	None
Hazard statement(s)	None
Precautionary statement(s)	None

Other hazards	None known.

SECTION 3: Composition/information on ingredients

Component	Xanthan Gum
CAS No.	11138-66-2
EC No.	234-394-2
Classification	Not classified as hazardous
Concentration (%)	≤100 %

SECTION 4: First aid measures

If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician if symptoms occur.
In case of skin contact	Take off contaminated clothing. Wash off with soap and plenty of water. Consult a physician if irritation occurs.
In case of eye contact	Rinse eyes with plenty of water as a precaution. Remove contact lenses if present and easy to do. Consult a physician if irritation persists.
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician if feeling unwell.
Most important symptoms and effects	May cause mild mechanical irritation of eyes and respiratory tract (dust).
Indication of any immediate medical attention	Treat symptomatically. Show this safety data sheet to the doctor in attendance.

SECTION 5: Firefighting measures

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	None known.
Special hazards arising from the chemical	Carbon oxides may be formed in the event of fire.
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency	Avoid dust formation. Avoid breathing vapours, mist, gas or dust. Use personal protective equipment. Ensure adequate ventilation.

procedures	
Environmental precautions	Do not let product enter drains. Avoid release to the environment.
Methods and materials for containment and cleaning up	Sweep up or absorb with inert material and place into a suitable, closed container for disposal.

SECTION 7: Handling and storage

Precautions for safe handling	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Wash hands thoroughly after handling.
Conditions for safe storage, including any incompatibilities	Keep container tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition.

SECTION 8: Exposure controls/personal protection

Occupational exposure limit values	None established; observe general dust limits (10 mg/m3 inhalable / 3 mg/m3 respirable)
Biological limit values	No biological exposure index (BEI) established.
Appropriate engineering controls	Ensure adequate ventilation. Provide safety shower and eyewash station.
Eye/face protection	Tightly fitting safety goggles (EN 166).
Skin protection	Handle with chemical-resistant gloves.
Body protection	Wear protective work clothing.
Respiratory protection	Use suitable respirator when dusts are generated (e.g. type P1, EN 143).
Thermal hazards	No specific thermal hazards under normal conditions of use.

SECTION 9: Physical and chemical properties

Physical state	Powder (free flowing)
Colour	Off-white to light yellow
Odour	Odourless to slight characteristic odour
Melting point / freezing point	Decomposes before melting
Boiling point or initial boiling point and boiling range	Not applicable (solid)
Flammability	Combustible solid (organic dust)
Lower and upper explosion limit /	As with any organic dust, dust-air mixtures may be

flammability limit	explosive
Flash point	Not applicable (solid)
Auto-ignition temperature	> 200 °C
Decomposition temperature	Decomposes on strong heating (> 200 °C)
pH	6.0 - 8.0 (1 % solution)
Kinematic viscosity	Not applicable (solid); 1 % aqueous solution: ca. 1,200-1,600 mPa·s (grade dependent)
Solubility	Soluble in cold and hot water, forming high-viscosity solutions; insoluble in most organic solvents
Partition coefficient n-octanol/water	Not applicable (high-molecular-weight polysaccharide; water soluble)
Vapour pressure	Not applicable (solid)
Density and/or relative density	Bulk density: ca. 0.7-0.9 g/cm3 (grade dependent)
Relative vapour density	Not applicable (solid)
Particle characteristics	Powder; typical particle size 80-200 mesh (grade dependent)

SECTION 10: Stability and reactivity

Reactivity	No dangerous reactions known under normal conditions of use.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No hazardous reactions known.
Conditions to avoid	Heat, flames and sparks.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon oxides.

SECTION 11: Toxicological information

Acute toxicity - Oral / Inhalation / Dermal	LD50 Oral - Rat - > 5,000 mg/kg (practically non-toxic)
Skin corrosion/irritation	Skin - Rabbit: no skin irritation
Serious eye damage/irritation	Eyes - Rabbit: no eye irritation
Respiratory or skin sensitization	Guinea pig: negative (not a skin sensitizer)
Germ cell mutagenicity	Ames test negative

Carcinogenicity	No component of this product present at levels greater than or equal to 0.1 % is identified as a carcinogen by IARC, NTP or OSHA; long-term feeding studies showed no adverse effects
Reproductive toxicity	No adverse effects in available studies; not classified
STOT - single exposure	Not classified
STOT - repeated exposure	Not classified
Aspiration hazard	Not applicable (solid)

SECTION 12: Ecological information

Toxicity to fish / daphnia / algae	No acute aquatic toxicity expected (non-toxic, high-molecular-weight polysaccharide); LC50/EC50 > 100 mg/l (nominal)
Persistence and degradability	Readily biodegradable (polysaccharide)
Bioaccumulative potential	Not expected to bioaccumulate (very high molecular weight; water soluble)
Mobility in soil	Highly water soluble; expected to be mobile but rapidly biodegraded
Other adverse effects	None known

SECTION 13: Disposal considerations

Product disposal methods	Offer surplus and non-recyclable product to a licensed disposal company. Dispose of in accordance with local regulations.
Contaminated packaging	Dispose of as unused product.

SECTION 14: Transport information

UN Number (ADR/RID, IMDG, IATA)	Not regulated as dangerous goods
UN Proper Shipping Name	Not regulated as dangerous goods
Transport hazard class(es)	Not regulated as dangerous goods
Packing group	Not applicable
Environmental hazards (Marine pollutant)	No
Special precautions for user	No special precautions required during transport.

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product	EINECS: Listed; TSCA: Listed; IECSC: Listed; DSL: Listed.

SECTION 16: Other information

Full text of H-Statements	None (not classified as hazardous)
Revision date	2026-10-29
Version	1.0

Abbreviations and acronyms: CAS: Chemical Abstracts Service; EC: European Commission; EINECS: European Inventory of Existing Commercial Chemical Substances; ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road; RID: Regulation concerning the International Carriage of Dangerous Goods by Rail; IMDG: International Maritime Dangerous Goods; IATA: International Air Transport Association; TWA: Time Weighted Average; STEL: Short Term Exposure Limit; LD50: Lethal Dose 50%; LC50: Lethal Concentration 50%; EC50: Effective Concentration 50%; PBT: Persistent, Bioaccumulative and Toxic; vPvB: very Persistent and very Bioaccumulative; SDS: Safety Data Sheet.

References: ECHA - European Chemicals Agency, https://echa.europa.eu/; IPCS - International Chemical Safety Cards (ICSC), http://www.ilo.org/; HSDB - Hazardous Substances Data Bank; eChemPortal - OECD Global Portal to Information on Chemical Substances; ERG - Emergency Response Guidebook by U.S. DOT.

Disclaimer: The information in this SDS is only applicable to the specified product and is provided in good faith. It is based on the knowledge available to Richest Group Ltd. at the date of issue and is intended to describe the product for the purposes of health, safety and environmental requirements only. It does not constitute any guarantee of the properties of the product. Richest Group Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.