

Material Safety Data Sheet

Konjac Mannan gel powder

according to EC Directive 1907/2006 (REACH)

Section 1 - Identification of Substance

Product/Chemical Name:	Konjac Mannan gel powder		
Application of the substance / the preparation:	Chemical for various cosmetic applications		
Supplier:	GfN, Herstellung von Naturextrakten GmbH Straßburg 16 69483 Wald-Michelbach / Germany info@gfn-selco.de Tel. +49 6207 922 80 www.gfn-selco.de Fax +49 6207 922 810 Emergency phone number Tel. +49 179 506 15 19		
Manufacturer:	located in China		

Section 2 - Hazards Identification

Classification of the substance:	Not classified according to the Regulation (EC) No. 1272/2008.
Label elements:	Not relevant.
Other hazards:	None.
	Not identified as PBT or vPvB according to the Annex XIII of the Regulation (EC) No. 1907/2006 as amended.

Section 3 - Composition / Data on components

Ingredients:	Hydrocolloid Glucomannan. Glucomannan consists of Glucose and D-Mannose, bonded in a β -1-4 linkage in a molecular ration of 1.0 : 1.6. It counts to the polysaccharides with a molecular weight of 200.000 - 2.000.000 Dalton.
INCI Name:	Glucomannan or Amorphophallus Konjac Root Extract
CAS-No.:	37220-17-0
EINECS-Nr.:	253-404-6
Molecular formula:	not applicable
Molecular weight:	200.000 - 2.000.000 Dalton
Appearance:	powder
Color:	white to cream white
Odor:	typical smell

Section 4 - First Aid Measures

Eyes:	Flush eyes with water for at least 15 min. If irritation occurs and persists, see a physician.
Skin:	Flush with water. If irritation occurs and persists, see a physician.
Inhalation:	Move the patient to fresh air. If discomfort occurs, seek medical attention.
Ingestion:	If abdominal discomfort occurs, seek medical attention.

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Section 5 - Fire-Fighting Measures

Suitable extinguishing media:	water spray, water foam, CO ₂ , dry chemicals
Extinguishing media to avoid:	none
Fire / Explosion hazards:	not applicable
Special exposure hazards:	when heated to decomposition it may emit toxic and irritating fumes
Special protective equipment:	Do not stay in dangerous zone without self-contained breathing apparatus.

Section 6 - Accidental Release Measures

Personal precautions:	Avoid skin/eyes contact.
Environmental precautions:	Do not allow to enter sewerage system.
Methods for cleaning up:	Take up dry. Forward for disposal. Clean up affected area.
Attention:	Soggy material is slippery.

Section 7 - Handling and Storage

Precautionary measures:	Keep this product sealed and away from water, heat, sunlight and flame. Shelf life is in closed containers 2 years. Product is very slippery in contact with water.
Storage condition:	Store in a cool dry place. Storage temperature between 10 and 25°C is fine. Store in tightly closed containers.

Section 8 - Exposure Controls / Personal Protection

Exposure limit values:	no data
Personal protective equipment:	Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.
Industrial hygiene:	Change contaminated clothing. Wash hands after working with substance.
Local ventilation:	none
Respiratory protection:	wear a dusk mask
Eye protection:	chemical safety glasses or goggles
Skin protection:	wear lab coat

Section 9 - Physical and Chemical Properties

Appearance:	powder
Color:	white to cream white
Odor:	faint characteristic odor
pH in 1% solution:	4.0 – 7.0
Melting point:	not applicable
Boiling point:	not applicable
Ignition temperature:	not applicable
Flash point:	not applicable
Explosion limits:	no data
Density:	not applicable
Solubility:	completely soluble in water up to 5 %, liposolubility (solvent): no
Other data:	none

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Section 10 - Stability and Reactivity

Conditions to avoid: Stable under normal conditions.
Hazardous decomposition prod.: Carbon monoxide and carbon dioxide.
Materials to avoid: Strong oxidizing agents.

Section 11 - Toxicological Information

Absence or unknown immediate, delayed or chronic toxicological effects due to short and long-term exposure.

Our Toxicology data were overtaken from Konjac Mannan 1.0 (1 % solution of Konjac Mannan gel powder):

Oral toxicity: food ingredient, no own test done
Primary irritant effect (eyes): not applied
Primary irritant effect (skin): no irritations seen during repetitive epicutaneous skin test, 100 % use concentration, 30 volunteers, no primary irritations could be observed after 24, 48 and 72 hours after application
Genotoxicity: mutagenicity (AMES test), the product shows no negative results in Salmonella Typhimurium Reverse Mutation Assay
Sensitization: no irritations seen in a sensitization test according Bühler, 100 % use concentration
Photo-allergic and photo-toxicity: not applied
Further toxicological information: no toxicological side effects has been seen during the use of the product on humans during the last 10 years

The data available to us do not suffice to permit any industrial-toxicological assessment. Our own experience has provided no indication of any hazardous potential.

Section 12 - Ecological Information

Ecotoxicity: No negative harmful effects on the environment. Fully biodegradable.
Degradability: completely biodegradable, increased oxygen consumption (BSBS)
Fish-toxicity: not fish toxic, not bacteria toxic

Section 13 - Disposal Consideration

Disposal method: If recycling is not possible, removal according as the regional legal determinations. No special appropriate methods of handling and disposal are needed.
 Small amounts may be washed down the drain with excess water.

Section 14 - Transport Information

Transport information: No special precautions needed in connection with transport. Not a hazardous product.

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Section 15 - Regulatory Information

Safety, health and environmental Regulations/legislation specific for the substance:

Regulation (EC) No. 1907/2006 (REACH)
Regulation (EC) No. 1272/2008 (CLP/EU-GHS)
Regulation (EC) No. 1223/2009 (Cosmetic Regulation)

Chemical safety assessment:

Not classified as hazardous substance or mixture according to the CLP/EU-GHS.

Section 16 - Other Information

Other information:

No special training advises recommended uses and restrictions.

Person issuing MSDS:

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