

Material Safety Data Sheet Locust Bean Gum

Section 1 - Product Identification

Product Name : Locust Bean Gum (Carob Bean Gum)
Company Identification : Tradeasia International Pte. Limited
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Section 2 – Hazards Identification

2.1 Classification of the substance or mixture

2.1.1 Classification of the substance The product is not classified as dangerous according Regulation (EC) No. 1272/2008

2.1.2 Classification according to Directive 67/548/EEC or 1999/45/EC

Not a hazardous substance

2.2 Label Elements

The product does not need to be labelled in accordance with EC Regulation 1272/2008 or respective national laws

2.3 Other Hazards

- Surfaces covered with the products will become extremely slippery when wet
- May form explosive dust-air mixture if dispersed
- Reach registration number: This substance is a natural polymer and exempted from Registration according to the provisions of Article 2 (9) of REACH.

Section 3 – Composition/Information on Ingredients

3.1 Substance Locust Bean Gum

- **Chemical nature** Carubin is a high molecular polysaccharide with glycosidical linked mannose and galactose sugar unit (ratio: approx. 4:1)
- **Synonyms** Galactomannan, Ceratonia Siliqua, Carob Bean Gum
- **Various numbers** EEC-No. 410
EINECS-No 232-541-5
CAS-No. 9000-40-2
- **Hazardous components** According to the EEC criteria this product is not classified as a hazardous preparation

Section 4 – First-Aid Measures

4.1 Description of first aid measures

- **Inhalation** Move to the fresh air. If breathing stops, give artificial respiration. Seek medical advice, if necessary
- **Skin contact** Wash the skin with soap and a plenty of water
- **Eye contact** Immediately rinse with water for a prolonged period whilst keeping the eyes wide open
If irritation still persists, consult an eye specialist
- **Ingestion** Clean mouth with water and afterwards drink plenty of water
- **Protection of first-aiders** -

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2.) and/or section 11

4.3 Indication of any immediate medical attentions and special treatments needed

No data available

Section 5 – Fire Fighting Measures

5.1 Extinguishing media

- **Suitable extinguishing media** Water spray, Foam, Carbon dioxide (CO₂)
- **Unsuitable extinguishing media** Dust

5.2 Special hazards arising from the Substance or mixtures

Product will burn after contact with fire. Self extinguishes when Source is removed, but tends to smoulder

5.3 Advice for fire fighters

Wear self-contained breathing apparatus and protective suit

5.4 Further information

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Section 6 – Accidental Release Measures

6.1 Personal precautions, protective Equipment and emergency Procedures

Avoid dust formation. Use personal protective equipment. If spilled, take caution, as material can cause surfaces to become very slippery

6.2 Environmental precautions

This product does not present any particular risk to the environment. Avoid direct discharge into drains.

6.3 Methods and material for Containment and cleaning up

Don't dry sweep dust. Wet dust with water before sweeping or Use a vacuum to collect dust

6.4 Reference to other sections

Refer to section 8 and 13 for more information.

Section 7 – Handling and Storage

7.1 Precautions for safe handling

Avoid dust formation. Ensure adequate ventilation, Regular Cleaning of equipment, work area and clothing are recommended

7.2 Conditions for safe storage, Including any incompatibilities

Store in cool and dry place in unopened or closed container. Protected from light and Temperature not over 40°C

7.3 Specific end use(s)

See section 1, Use of substance/preparation

Section 8 – Exposure Controls/Personal Protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

Handle in accordance with good industrial hygiene and safety practice

8.2.1 Personal protective equipment

- Respiratory protection
- Eye Protection
- Hand protection
- Skin and body protection

In case of insufficient ventilation: Effective dust mask
 In case of eye contact: Safety glasses with side -shields
 Not required under normal use
 Wear suitable protective clothing

Section 9 – Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical description	Powder
Appearance	Cream-white
Taste/Odour	tasteless and odourless
Odour threshold	No data available
pH	1% in water approx 4.5 – 6.5
Melting point	No data available
Boiling point/range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid/gas)	No data available
Explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Solubility	soluble in hot water
Partition coefficient (n-octanol/water)	No data available
Ignition temperature	about 200°C
Decomposition temperature	No data available

Viscosity	depend on the type
Explosive properties	No data available
Oxidizing properties	No data available

9.2 Other information see product specification

Section 10 – Stability and Reactivity

10.1 Reactivity	No data available
10.2 Chemical stability	No hazardous reaction when handled and stored according to Provisions. In general stable under normal conditions
10.3 Possibility of hazardous Reactions	None under normal processing
10.4 Conditions to avoid	No data available
10.5 Incompatible materials	None
10.6 Hazardous decomposition Products	None

Section 11 – Toxicological Information

11.1 Information on toxicological effects

Acute toxicity	LD50 Oral – rat – 13.000mg/kg
Skin corrosion/irritation	No data available
Serious eye damage/irritation	No data available
Respiratory or skin sensitisation	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
STOT single exposure	No data available
STOT repeated exposure	No data available
Aspiration hazard	No data available

11.2 Further information According to the FAO/WHO the ADI Level is not limited (GMP)

Section 12 – Ecological Information

12.1 Toxicity	No data available
12.2 Persistence / degradability	Readily biodegradable
12.3 Bioaccumulative potential	Bioaccumulation is unlikely

12.4 Mobility in soil Soluble in water

12.5 Results of PBT and vPvB Assessment Not applicable

Section 13 – Disposal Considerations

13.1 Waste from residues / Unused products Small amounts can be disposed together with domestic refuse
 Dispose of in accordance with the relevant local regulations

13.2 Contaminated packaging Does not need cleaning prior to disposal

Section 14 – Transport Information

14.1 UN-number
 ADR/RID - IMDG - IATA -

14.2 UN Proper shipping name
 ADR/RID no IMDG no IATA no

14.3 Transport hazard class(es)
 ADR/RID - IMDG - IATA -

14.4 Packaging group -
 ADR/RID - IMDG - IATA -

14.5 Environmental hazardous
 ADR/RID no IMDG no IATA no

14.6 Special precautions for user
 No data available

Section 15 – Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
 No data available

15.2 Chemical safety
 Not applicable

Section 16 : Additional Information

Recommended use Food industry

Recommended restrictions -

Revision

Revision takes place periodically

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