

SAFETY DATA SHEET

(RG, 13.12.2014, No-29204) It complies with the Regulation on Safety Data Sheets on Hazardous Substances and Mixtures.

Substance/Mixture Name	Guar Gum	Regulation Date	31.12.2024
		Editing Date	
Form No	044.250.10	Number Of Editing	1

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name : [Guar Gum](#)
 Form No/GBF No : 044.250.10
 Brand : [Tito](#)
 E Code : E412
 EC No : No additional information available
 CAS No : 9000-30-0
 Country of Origin : Türkiye (The origin of the main component is different from the origin of the final product).
 Functional Class : Thickener
 Source : Guar Bean Seed

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

Identified uses : Manufacturing of products in food and various industries.
 Foods that can be added : It is used in permitted finished products, taking into account the relevant limitations, in accordance with the regulations in the Turkish Food Codex, Food Additives Regulation and vertical communique. If the food laws are not explained enough, please apply to the Food Law Authorities in your country.
 Uses advised against : No additional information available.

1.3 Details of the supplier of the tds Identification of the company

Name of Food Manufacturer : Smart Kimya Ticaret ve Danışmanlık Limited Şirketi
 Address of Food Manufacturer : 3AO, 8901/3 Street, Balatçık Neighborhood, Ege Industrial Site, Çiğli/İzmir
 Central Address : 10016 Street No:18 AOSB Çiğli/İzmir
 Manufacturer Registration Number : TR-35-K-047442
 Telephone : 0850 441 00 22
 Email Address : s@hammaddeler.com
 Websites : hammaddeler.com – gbf.com.tr

1.4 Emergency Phone Number

National Toxic Information Center (UZEM): 114

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of Substance and Mixture

Not considered hazardous according to GHS classification.

2.2 Label elements

Pictogram : Not applicable
 Signal word (SEA) : Warning
 Hazard Statements (SEA) : Not applicable
 Precautionary statement(s) : Not applicable
 Supplemental Hazard Statements : None

2.3 Other hazards

Special provisions according to Annex XVII of REACH and subsequent amendments

No additional information available

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Component Name	EC No	CAS No	Concentration (%)	(RG, 11.12. 2013, No 28848) Classification in accordance with the "Regulation on Classification, Labeling and Packaging of Substances and Mixtures" (SEA)
Guar Gum	No additional information available	9000-30-0	%100	Not classified



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3.2 Mixtures

Not applicable.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

Following inhalation

If symptoms of irritation or allergy develop; remove person from source of exposure to fresh air. If symptoms persist get medical attention.

In case of skin contact

First aid is not normally needed. Wash exposed skin with soap and water after use. If irritation or rash develops get medical attention. Use skin lotion if dryness occurs.

After eye contact

Flush immediately with large amounts of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. If irritation persists get medical attention.

Following ingestion

Swallowing even small amounts may have serious, life-threatening effects. Get immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

No additional information available.

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water, dry chemical, carbon dioxide or foam.

5.2 Special hazards arising from the substance or mixture

The substance is combustible.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

5.4 Additional information

No additional information available.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate protective clothing and equipment. Avoid dust formation.

6.2 Environmental precautions

Prevent any further leakage or spillage if safe to do so.

6.3 Methods and material for containment and cleaning up

Caution: Guar gum is very slippery when wet. Suspended dust may present a serious dust explosion hazard. Sweep up or vacuum, avoiding the creation of airborne dust. Collect into a suitable container for disposal. After the material is swept up, wash any residual traces with hot water. Test area for residual slippery conditions.

6.4 Reference to other sections

No additional information available.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

HANDLING: Avoid generating and breathing dust. Avoid eye contact. Use with adequate local exhaust ventilation and dust collection to maintain the concentration of airborne dust below the exposure limits. If clothing becomes contaminated, remove and launder before re-use. Keep product away from oxidizers and all sources of ignition including flames, electrical sparks, hot surfaces, pilot lights, etc.



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7.2 Conditions for safe storage, including any incompatibilities

Keep product dry. Store in a cool, dry and well-ventilated area. Keep containers tightly closed to avoid moisture absorption.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with Workspace Control Parameters

No additional information available.

8.2 Exposure controls

8.2.1. Appropriate engineering controls

Consult a qualified engineer for evaluation of materials handling and explosion protection.

8.2.2. Personal protection equipment

General Hygienic Protections

Handle in accordance with good industrial hygiene and safety practices.

Eye/face protection

Safety glasses or goggles recommended.

Skin protection

Rubber, plastic or leather gloves recommended.

Respiratory protection

If the concentrations exceed the Threshold Value Limit (TLV), use appropriate NIOSH approved dust respirator, air respirator or self-contained breathing apparatus is recommended.

8.2.3. Environmental exposure controls

No additional information available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	: Free flowing powder
Colour	: White to off-white
Odour	: Slight, bean-like odor
Formula	: (C ₆ H ₁₀ O ₅) _n
pH	: 5.5 -6.5
Solubility in water	: Soluble
Initial boiling point and boiling range	: No additional information available
Melting point/Freezing point	: Decomposes
Flash Point	: No additional information available
Flammable limits in air(Lower)	: 0.040 oz/cf
Evaporation Rate	: Not applicable
Vapor Pressure	: Not applicable
Relative density	: No additional information available
Flammability	: No additional information available
Specific Gravity(H ₂ O)	: Not applicable

9.2 Other information

No additional information available.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

No additional information available.

10.2 Chemical stability

Material is stable.

10.3 Possibility of hazardous reactions

No additional information available.

10.4 Conditions to avoid

Strong oxidizing agents.

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10.5 Incompatible materials

Avoid high temperatures, sparks, open flames and moisture. Avoid contact with strong oxidizing agents.

10.6 Hazardous decomposition products

Combustion may produce carbon dioxide, carbon monoxide and oxides of nitrogen.

HAZARDOUS POLYMERIZATION: Does not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxic Effects

Acute toxicity

Guar gum is a natural food additive widely used in the food industry as a thickener, stabilizer and emulsifier.

LD50, Oral Rat : > 5000mg/kg

Serious eye damage/irritation

Contact may cause irritation.

Skin corrosion/irritation

No additional information available.

Respiratory or skin sensitization

Inhalation of dust may cause irritation of the nose, throat and respiratory passages. Symptoms may include coughing, sore throat, nasal congestion, sneezing wheezing and shortness of breath.

Germ cell mutagenicity

No additional information available.

Carcinogenicity

None of the components of this product are listed carcinogens or suspected by OSHA, IARC or NTP.

Reproductive toxicity

No additional information available.

Specific target organ toxicity – Single exposure

No additional information available.

Specific target organ toxicity - repeated exposure

INHALATION: Overexposure to any nuisance dust may cause lung injury. Symptoms include cough, shortness of breath, difficulty breathing and reduced pulmonary function. Repeated exposures may cause allergic sensitization

Aspiration Toxicity

No additional information available.

Additional Information

DO NOT INGEST. While this product is not toxic by ingestion, swallowing small amounts may cause irritation to mucous membranes.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Contains no substances known to be hazardous to the environment. It is a natural product that is biodegradable.

12.2 Persistence and degradability

No additional information available.

12.3 Bioaccumulative potential

No additional information available.

12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6. Endocrine disrupting properties

No additional information available.

12.7 Other adverse effects

Very toxic to aquatic life with long lasting effects.



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SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose in compliance with all applicable federal, state and local regulations. Do not dump down sewers or drains as this may cause blockage.

SECTION 14. TRANSPORT INFORMATION

14.1. UN number or ID number

ADR (Road)/RID (Rail) : Not applicable
 IMDG (Seaway) : Not applicable
 IATA (Airline) : Not applicable

14.2. UN proper shipping name

ADR (Road)/RID (Rail) : Not applicable
 IMDG (Seaway) : Not applicable
 IATA (Airline) : Not applicable

14.3. Transport hazard class(es)

ADR (Road)/RID (Rail) : Not applicable
 IMDG (Seaway) : Not applicable
 IATA (Airline) : Not applicable

14.4. Packing group

ADR (Road)/RID (Rail) : Not applicable
 IMDG (Seaway) : Not applicable
 IATA (Airline) : Not applicable

14.5. Environmental hazards

ADR (Road)/RID (Rail) : Not applicable
 IMDG (Seaway) : Not applicable
 IATA (Airline) : Not applicable

14.6. Special precautions for user

No additional information available.

14.7. Bulk transportation according to MARPOL 73/78 annex II and IBC code

No additional information available.

SECTION 15. REGULATORY INFORMATION

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

- Regulation on Classification, Labeling and Packaging of Substances and Mixtures (SEA) published in the Official Gazette dated December 1, 2013, bis numbered 28848.

-Regulation on Registration, Evaluation, Authorization and Restriction of Chemicals (KKDIK) published in the Official Gazette dated June 23, 2017 and numbered 30105.

15.2. Chemical safety assessment

For this product a chemical safety assessment was not carried out.

SECTION 16. OTHER INFORMATION

Waiver Statement

The information presented in this safety data sheet is based on the information we already have. Although the information is reliable, it should not be considered accurate and complete. The prepared safety data sheet does not constitute a guarantee and should be used as a guide. This information has been prepared specifically for the substance or mixture in question, and may not be valid for compounds and processes made with other substances. and may vary depending on other raw materials; For this reason, the person or institution purchasing the products freely decides to use the product after evaluating its suitability for its own use, its impact on environmental conditions, its effects on occupational health and safety. Hammaler.com, Smart Kimya Tic. and Dan. Ltd. Şti., our representatives and solution partners cannot be held responsible for the use of this information.