

SAFETY DATA SHEET

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

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

1.1. Product identifier

Product name GRINDSTED® Guar 250
Material number 810036
REACH Registration Number This substance is a polymer and exempted from registration according to the provisions of Article 2 (9) of REACH.

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

Recommended use Food additive.

1.3. Details of the supplier of the safety data sheet

Company/Undertaking

Identification:

Danisco Zaandam BV
Oostzijde 155
NL-1502 Zaandam
Netherlands
Tel: +31 (0) 75 6814 950
Fax: +31(0) 75 6354 362

E-mail address SDS.enablers@Danisco.com

1.4. Emergency telephone number

Emergency telephone: +45 79 72 56 00

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

REGULATION (EC) No 1272/2008

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008

Classification according to EU Directives 67/548/EEC or 1999/45/EC

This product is not classified as dangerous according to the CLP Regulation (EC) No 1272/2008. (During the transitional period the Dangerous Substance Directive 67/568/EEC and the Dangerous Preparation Directive 99/45/EC, remains applicable).

2.2. Label elements

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008 and labelling is not required.

2.3.

Properties affecting health Repeated contact may cause allergic reactions in very susceptible people. Eye and skin contact may cause mild transient irritation. Inhalation of dust in high concentration may cause irritation of respiratory system.

PBT and vPvB assessment Not applicable.

Physical and chemical hazards Powdered material may form explosive dust-air mixtures.

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EU REACH format
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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Description Thickening agent.

Chemical Name	%	CAS-No	EINECS-No	IUB Code	REACH No.	Hazardous classification	CLP Classification
Guar Gum	-	9000-30-0	232-536-8		-	-	Eye Irrit. 2 (H319)

For the full text of the R-phrases and H-statements mentioned in this section, see section 16.

4. FIRST AID MEASURES

4.1. Description of first aid measures

Eye contact Rinse thoroughly with plenty of water, also under the eyelids.

Skin contact Wash skin with soap and water. If skin irritation occurs, seek medical advice/attention.

Ingestion Clean mouth with water and afterwards drink plenty of water.

Inhalation Move to fresh air.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media which must not be used for safety reasons Water spray jet

5.2. Special hazards arising from the substance or mixture

None in particular

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit.

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

Prevent further leakage or spillage if safe to do so.

6.3. Methods and materials for containment and cleaning up

Do not dry sweep dust. Wet dust with water before sweeping or use a vacuum to collect dust.

6. ACCIDENTAL RELEASE MEASURES**7. HANDLING AND STORAGE****7.1. Precautions for Safe Handling**

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

7.2. Conditions for safe storage, including any incompatibilities

Store in a dry place and/or in closed container. Protect from light.

7.3. Specific end uses

See Section 1: Use of the substance/preparation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters****Exposure limits**

Chemical Name	Denmark	Finland	Norway	Sweden	The Netherlands
Other dusts of organic origin	TWA: 3 mg/m ³	TWA: 5 mg/m ³ STEL: 10 mg/m ³			

Chemical Name	Russia	Estonia	Latvia	Lithuania	Poland
Other dusts of organic origin		TWA 5 mg/m ³			

8.2 Exposure controls**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice.

Engineering measures

Ensure adequate ventilation. Local exhaust ventilation of dust/vapour/aerosol at the point of generation.

Personal protective equipment**Respiratory protection**

In case of insufficient ventilation: Effective dust mask.

Eye protection

In case of eye contact: Safety glasses with side-shields.

Skin and body protection

Wear suitable protective clothing.

Hand protection

not required under normal use

Environmental exposure controls

No information available

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Physical state:	Granular powder
Appearance	White to off-white
Odour	Odourless
Flash point	Not applicable.
Boiling Point/Range	Not applicable.
Autoignition temperature	Not applicable.
Vapour pressure	Not applicable
Viscosity	Not applicable

9. PHYSICAL AND CHEMICAL PROPERTIES

Water solubility Soluble in water
Evaporation rate Not applicable
Flammability Limits in Air Not applicable.

Min. Ignition Energy (J) > 10 (dust)
Kst (bar*m/s) 70
Dust explosion class: St1
Max. explosion pressure (bar) 6,7
Max. rate of pressure rise (bar/s) 258

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to avoid

Avoid dust formation. Dust may form explosive mixture in air.

10.5 Incompatible materials

None.

10.6 Hazardous decomposition products

none

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Product Information

Acute toxicity

Oral Non toxic by ingestion.

Dermal No data available.

Inhalation No data available.

Irritation

Skin irritation May cause mild transient irritation due to greasy effect.

Eye irritation Dust contact with the eyes can lead to mechanical irritation.

Respiratory irritation Inhalation of dust in high concentration may cause irritation of respiratory system.

Other effects

Sensitisation Repeated or prolonged contact may cause allergic reactions in very susceptible people.

Component Information

Component information below is as complete as possible. Any fields not shown indicate no data is presently available.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

12.2. Persistence and 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

12.6. Other adverse effects

None known.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues / unused products

Small amounts can be disposed together with domestic refuse. Dispose of contents/container in accordance with local regulation

14. TRANSPORT INFORMATION

14.1 UN-Number Not regulated

14.2 UN proper shipping name Not regulated

14.3 Transport hazard class(es) Not regulated

14.4 Packing group Not regulated

14.5 Environmental hazards Not regulated

14.6 Special precautions for users Not regulated

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not regulated

Dangerous goods

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR.

15. REGULATORY INFORMATION

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

15.2. Chemical Safety Assessment

Not applicable

16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3

16. OTHER INFORMATION

Not applicable.

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Revision Date 28/06/2011

The following has been revised since the last issue of this MSDS:

Update due to change in SDS regulation (EU) No 453/2010.

A Product Description is available on request.

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Safety Data Sheet