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

Product name: GRINDSTED® PGE 308/D Polyglycerol Ester
Material number: 185967
Recommended use: Additive for packaging materials and plastics.
Edwin Rahrs Vej 38,
DK-8220 Brabrand, Denmark.
Tel.: +45 89 43 50 00
Fax.: +45 86 25 10 77
E-mail address: SDS.enablers@Danisco.com
Emergency telephone: +45 79 72 56 00

2. HAZARDS IDENTIFICATION

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).

Properties affecting health: Eye and skin contact may cause mild transient irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Description: Polyglycerol esters of fatty acids.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>%</th>
<th>CAS-No</th>
<th>EINECS-No</th>
<th>REACH No.</th>
<th>Hazardous classification</th>
<th>IUB Code</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stearic acid, monoester with triglycerol</td>
<td>-</td>
<td>27321-72-8</td>
<td>248-403-2</td>
<td>-</td>
<td>-</td>
<td></td>
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</tr>
<tr>
<td>2,3-dihydroxypropyl laurate</td>
<td>-</td>
<td>142-18-7</td>
<td>205-526-6</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

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

Skin contact: Rinse with plenty of 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.

Indication of any immediate medical attention and special treatment needed: none
5. FIRE-FIGHTING MEASURES

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

Extinguishing media which must not be used for safety reasons
None in particular.

Special hazards arising from the substance or mixture
Treat as burning melted fat.

Special protective equipment for fire-fighters
Special protective equipment for fire-fighters

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
None required for material as supplied. If spilled, take caution, as material can cause surfaces to become very slippery.

Environmental precautions
No special environmental precautions required

Methods for cleaning up
Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling
Ensure adequate ventilation.

Conditions for safe storage, including any incompatibilities
Store in a dry place and/or in closed container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits
Contains no substances with occupational exposure limit values.

Occupational exposure controls

Engineering measures
Ensure adequate ventilation.

Hygiene measures
Handle in accordance with good industrial hygiene and safety practice.

Personal protective equipment

Respiratory protection
No special protective equipment required.

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

Skin and body protection
Wear suitable protective clothing.

Hand protection
Protective gloves.

Environmental exposure controls
No information available

Issuing date 12/04/2010
EU REACH format
9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Physical state: Solid
Appearance: White to off-white
Odour: Slight odor of fatty acid

Flash point: >100°C
Autoignition temperature: No information available
Viscosity: No information available
Evaporation rate: No information available
Flammability Limits in Air: No information available

Boiling Point/Range: >250°C
Vapour pressure: No information available
Water solubility: Soluble in water
Explosion limits: No information available

10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions.
Conditions to avoid: none
Materials to avoid: None.
Hazardous decomposition products: none

11. TOXICOLOGICAL INFORMATION

Product Information

Ingestion: Generally regarded as safe by ingestion.
Inhalation: Not an expected route of exposure.
Skin contact: May cause mild transient irritation due to greasy effect.
Eye contact: Contact with eyes may cause transient irritation.
12. ECOLOGICAL INFORMATION

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

Mobility
The product is insoluble and floats on water.

Persistence and degradability
Readily biodegradable.

Bioaccumulative potential
Bioaccumulation is unlikely.

13. DISPOSAL CONSIDERATIONS

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

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

15. REGULATORY INFORMATION

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).
16. OTHER INFORMATION

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

Issuing date 12/04/2010

A Product Description is available on request.

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

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