

Emulpur® SF**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Brandname Emulpur® SF
Product name Emulsifier sunflower lecithin E 322
REACH status Exempted in accordance with Annex IV

Chemical name	CAS No	EC#
Lecithins	8002-43-5	232-307-2

Revision date 21-03-2016

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

Intended use Emulsifying agent in food applications

1.3. Details of the supplier of the safety data sheet**Company identification**

Cargill Texturizing Solutions Deutschland GmbH & Co. KG
Ausschlaeger Elbdeich 62
D - 20539 Hamburg
Germany

Non emergency telephone +49 40 789 55 0
Fax number +49 40 789 83 29
E-mail address Reception-Hamburg@cargill.com

1.4 Emergency telephone number

Emergency telephone +49 40 789 55 0

SECTION 2: Hazards identification**2.1 Classification of the substance/mixture**

Classification according to Regulation (EC) No 1272/2008 as amended

Hazard summary**2.2. Label elements**

Label according to Regulation (EC) No. 1272/2008 as amended

Hazard statement

The substance does not meet the criteria for classification.

Precautionary statements**Prevention**

Not assigned.

Response

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Not assigned.

Storage

Not assigned.

Disposal

Not assigned.

Supplemental label information

None.

2.3 Other hazards

Not assigned.

SECTION 3: Composition/information on ingredients

Chemical name	CAS No	EC#
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SECTION 4: First aid measures**4.1 Description of first aid measures****Inhalation**

If symptomatic, move to fresh air. Get medical attention if symptoms persist.

Skin contact

Wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye contact

Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention promptly if symptoms occur after washing.

Ingestion

First aid is normally not required

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

Dust may irritate the eyes and the respiratory system.

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

Treat symptomatically.

SECTION 5: Firefighting measures

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General fire hazards

Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

5.1 Extinguishing media

Suitable extinguishing media

Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media

None known.

5.2 Special hazards arising from the substance or mixture

Dust may form explosive mixture with air. This product is a dust explosion class St-1 at normal moisture level.

5.3 Advice for firefighters

Special protective equipment for firefighters

Self-contained breathing apparatus, operated in positive pressure mode and full protective clothing must be worn in case of fire.

Special firefightings procedures

Prevent sliding risks caused by spilled product in combination with water

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedure

For non-emergency personnel

Wear appropriate personal protective equipment.

For emergency responders

Keep unnecessary personnel away.

6.2 Environmental precautions

Prevent runoff from entering drains, sewers, or streams.

6.3 Methods and material for containment and cleaning up

Sweep up spilled substance and remove to safe place. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Nonsparking tools should be used.

6.4 Reference to other sections

For personal protection, see section 8. For waste disposal, see Section 13.

Emulpur® SF**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Avoid handling which leads to dust formation. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Keep container closed. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limits**

No exposure limits noted for the ingredient(s)

Biological limit values

No biological limits noted for the ingredient(s)

Recommended monitoring procedures

Not established.

DNEL

Not available.

PNEC

Not available.

8.2 Exposure controls**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment**General information**

Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin protection**Hand protection**

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Chemical resistant gloves are recommended.

Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister.

Thermal hazards

Not applicable.

Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental exposure controls

Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	powder or granulate
Odour	typical
pH	5 - 8
Explosive limit	lower: 30 g/m ³
Solubility in water	dispersible
Viscosity	Not applicable

Other information

Minimum ignition energy (MIE):	Es = 16 mJ (L = 1 mH); Es = 67 mJ (L = 0 mH)
Minimum ignition temperature:	340°C
Maximum explosion pressure (dP / dt max.):	418 bar / s
Maximum pressure rise speed (KSt) :	St 1

SECTION 10: Stability and reactivity

10.1 Reactivity

None known.

10.2 Chemical stability

Stable under the prescribed storage conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerization does not occur.

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Incompatible materials. Minimize dust generation and accumulation.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information**General information**

Under normal conditions of intended use, this material does not pose a risk to health.

Information on likely routes of exposure**Ingestion**

No harmful effects expected in amounts likely to be ingested by accident.

Inhalation

Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

Skin contact

None known.

Eye contact

Direct contact with eyes may cause temporary irritation.

Symptoms

Dust may irritate the eyes and the respiratory system.

11.1 Information on toxicological effects**Acute toxicity**

Dust may irritate the eyes and the respiratory system.

Skin corrosion/irritation

Not assigned.

Serious eye damage/eye irritation

Direct contact with eyes may cause temporary irritation.

Respiratory sensitization

None known.

Skin sensitization

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None known.

Germ cell mutagenicity

Not assigned.

Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive toxicity

None known.

Specific target organ toxicity - single exposure

None known.

Specific target organ toxicity - repeated exposure

None known.

Aspiration hazard

Not applicable.

Mixture versus substance information

Not available.

Other information

Not available.

SECTION 12: Ecological information**12.1 Toxicity**

No toxicity data noted for the ingredient(s).

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

Mobility

Not available.

Environmental fate - Partition coefficient

Not available.

12.4 Mobility in soil

Not available.

Emulpur® SF**12.5 Results of PBT and vPvB assessment**

Not available.

12.6 Other adverse effects

None known.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Residual waste**

Dispose of in accordance with local regulations.

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

EU waste code

Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information**Transport hazard class(es)**

ADR	Not regulated as dangerous goods.
RID	Not regulated as dangerous goods.
ADN	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

Other regulations

Water endangering class (WGK): 0

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

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Commission Regulation (EU) No. 453/2010
amending Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the Registration,
Evaluation, Authorisation and Restriction of Chemicals (REACH)

SECTION 16: Other information**List of abbreviations**

Not available.

REFERENCES

Not available.

Revision information

Date of first issue 10-06-2011

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Information on revision**Reason for changes**

Align with REACH regulation

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