

Safety data sheet

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PT BASF Indonesia Safety data sheet

Date / Revised: 21.01.2020

Product: **FoamStar® SI 2293**

Version: 1.0

(30537951/SDS_GEN_ID/EN)

Date of print 21.10.2025

1. Substance/preparation and manufacturer/supplier identification

FoamStar® SI 2293

Use: defoamer

Manufacturer/supplier:

PT BASF Indonesia

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Emergency information:

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International emergency number:

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2. Hazard identification

Classification of the substance and mixture:

Hazardous to the aquatic environment - acute: Cat. 2

Hazardous to the aquatic environment - chronic: Cat. 3

Label elements and precautionary statement:

Hazard Statement:

H412

Harmful to aquatic life with long lasting effects.

H401

Toxic to aquatic life.

Precautionary Statements (Prevention):

P273

Avoid release to the environment.

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Precautionary Statements (Disposal):

P501

Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

No specific dangers known, if the regulations/notes for storage and handling are considered.

3. Composition/information on ingredients

Chemical nature

Preparation based on: alcohol ethoxylate, polyether-modified polysiloxane

Hazardous ingredients

Laurylmyristyl polyglycol ether with EO and PO

Content (W/W): $\geq 75\%$

CAS Number: 68439-51-0

Aquatic Acute: Cat. 2

Aquatic Chronic: Cat. 3

4. First-Aid Measures

General advice:

Remove contaminated clothing.

If inhaled:

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

On skin contact:

Wash thoroughly with soap and water.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:

Rinse mouth and then drink 200-300 ml of water. Do not induce vomiting unless told to by a poison control center or doctor.

Note to physician:

Symptoms: (Further) symptoms and / or effects are not known so far

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:

water spray, dry powder, foam

Unsuitable extinguishing media for safety reasons:

water jet

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Specific hazards:

harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment:

Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental Release Measures

Personal precautions:

Use personal protective clothing. Breathing protection required.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:

For large amounts: Pump off product.

For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

7. Handling and Storage

Handling

No special measures necessary provided product is used correctly.

Protection against fire and explosion:

Take precautionary measures against static discharges.

Storage

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

8. Exposure controls and personal protection

Components with occupational exposure limits

No occupational exposure limits known.

Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Hand protection:

Chemical resistant protective gloves

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN 374)

butyl rubber (butyl) - 0.7 mm coating thickness

nitrile rubber (NBR) - 0.4 mm coating thickness

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Safety glasses with side-shields.

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended.

9. Physical and Chemical Properties

Form:	liquid
Colour:	colourless
Odour:	product specific
Odour threshold:	Not determined due to potential health hazard by inhalation.

pH value:

not determined

Freezing point:

not determined

Boiling point:

not determined

Flash point: > 100.00 °C (DIN 51755)

Evaporation rate:

not determined

Flammability (solid/gas): not flammable

Lower explosion limit:

For liquids not relevant for classification and labelling., The lower explosion point may be 5 - 15 °C below the flash point.

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Upper explosion limit:	For liquids not relevant for classification and labelling.	
Ignition temperature:	not determined	
Thermal decomposition:	not determined	
Self ignition:	not self-igniting	Test type: Spontaneous self-ignition at room-temperature.
Self heating ability:	Study scientifically not justified.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	not determined	
Density:	0.9500 - 1.0500 g/cm ³ (25.0 °C)	(ISO 2811-3)
Relative density:	0.9500 - 1.0500	
Relative vapour density (air):	not determined	
Solubility in water:	emulsifiable	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Surface tension:	No data available.	
Viscosity, dynamic:	20.00 - 300.00 mPa*s (25.0 °C)	(DIN EN ISO 2555)
Viscosity, kinematic:	21.5 - 315 mm ² /s (25 °C)	
Solids content:	approx. 100 %	

10. Stability and Reactivity

Conditions to avoid:
 See SDS section 7 - Handling and storage.

Thermal decomposition: not determined

Substances to avoid:
 None known during use and storage if used according to instructions.

Hazardous reactions:
 No hazardous reactions when stored and handled according to instructions.

Hazardous decomposition products:
 No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Acute toxicity

Experimental/calculated data:

LD50 rat (oral): > 5,000 mg/kg

The product has not been tested. The statement has been derived from the properties of the individual components.

ATE (by inhalation): > 20 mg/l

Determined for vapor The product has not been tested. The statement has been derived from the properties of the individual components.

ATE (by inhalation): > 5 mg/l

Determined for mist The product has not been tested. The statement has been derived from the properties of the individual components.

ATE (dermal): > 5,000 mg/kg

The product has not been tested. The statement has been derived from the properties of the individual components.

Irritation

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant

The product has not been tested. The statement has been derived from the properties of the individual components.

Serious eye damage/irritation rabbit: non-irritant

The product has not been tested. The statement has been derived from the properties of the individual components.

Respiratory/Skin sensitization

Assessment of sensitization:

No sensitizing effect. The product has not been tested. The statement has been derived from the properties of the individual components.

Experimental/calculated data:

not determined

Germ cell mutagenicity

Assessment of mutagenicity:

Based on the ingredients, there is no suspicion of a mutagenic effect.

Carcinogenicity

Assessment of carcinogenicity:

No data available.

Reproductive toxicity

Assessment of reproduction toxicity:

Based on the ingredients, there is no suspicion of a toxic effect on reproduction.

Developmental toxicity

Assessment of teratogenicity:

Based on the ingredients, there is no suspicion of a teratogenic effect.

Specific target organ toxicity (single exposure):

Remarks: No data available.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

The information available on the product provides no indication of toxicity on target organs after repeated exposure.

Aspiration hazard

No aspiration hazard expected.

12. Ecological Information

Ecotoxicity

Toxicity to fish:

LC50 (96 h) > 1 - 10 mg/l, Fish

The product has not been tested. The statement has been derived from the properties of the individual components.

Aquatic invertebrates:

EC50 (24 h) > 10 - 100 mg/l, Daphnia magna

The product has not been tested. The statement has been derived from the properties of the individual components.

Aquatic plants:

EC10 (72 h) > 0.1 - 1 mg/l (growth rate), algae (ISO 8692)

long-term effect The product has not been tested. The statement has been derived from the properties of the individual components.

Microorganisms/Effect on activated sludge:

EC50 (0.5 h), bacteria (other)

not determined

Chronic toxicity to fish:

No data available.

Chronic toxicity to aquatic invertebrates:

No data available.

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Assessment of terrestrial toxicity:
No data available concerning terrestrial toxicity.

Mobility

Assessment transport between environmental compartments:
No data available.

Bioaccumulation potential

Assessment bioaccumulation potential:
The product has not been tested.

Additional information

Add. remarks environm. fate & pathway:
Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

13. Disposal Considerations

Must be disposed of or incinerated in accordance with local regulations.

Contaminated packaging:
Uncontaminated packaging can be re-used.
Packs that cannot be cleaned should be disposed of in the same manner as the contents.

14. Transport Information

Domestic transport:

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Hazard determining component(s) for labelling: ALCOHOL, C12/C14, ETHOXYLATED, PROPOXYLATED

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Other regulations

16. Other Information

Vertical lines in the left hand margin indicate an amendment from the previous version.

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