

Product name: TEGO® Foamex 830

SAFETY DATA SHEET

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name:
TEGO® Foamex 830

Chemical name:
Compound based on a polyether

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

Identified uses: Industrial use

Uses advised against: None known.

1.3 Details of the supplier of the safety data sheet

Company Name : Evonik Operations GmbH
Rellinghauser Str. 1-11
45128 Essen
Germany

Telephone : +49 201 173 01
Fax : +49 201 173 3000
E-mail : productsafety-cs@evonik.com

1.4 Emergency telephone number:

24-Hour Health : +49 2365 49 2232
Emergency : +49 2365 49 4423 (Fax)

National Poison Information Service (NPIS)
England, Scotland and Wales: NHS: 111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has not been classified as hazardous according to the legislation in force.

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567
Not classified

2.2 Label Elements Not applicable

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2.3 Other hazards

None known.

SECTION 3: Composition/information on ingredients

Chemical name:

Compound based on a polyether

3.2 Mixtures

| Chemical name | Concentration | CAS-No. | EC No. | UK-REACH Registration No. | REACH Registration No. | M-Factor: | Notes |
|--|---------------|------------|--------|---------------------------|------------------------|--------------------|-------|
| Silane, dichlorodimethyl-, reaction products with silica | 1 - <5% | 68611-44-9 | | UK-01-250993046 1-7 | 01-211937949 9-16 | No data available. | # |

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

This substance has workplace exposure limit(s).

This substance is listed as SVHC.

Classification

| Chemical name | Classification | Notes |
|--|--|----------------|
| Silane, dichlorodimethyl-, reaction products with silica | Classification: None known. Supplemental label information: None known. | Not applicable |

The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

| | |
|--|---|
| General information: | Remove soiled or soaked clothing immediately |
| Inhalation: | fresh air supply, consult a doctor if feeling unwell. |
| Skin Contact: | In case of contact with skin wash off with soap and water. In case of discomfort: Supply with medical care. |
| Eye contact: | In case of contact with eyes rinse thoroughly with water. In case of discomfort: Supply with medical care. |
| Ingestion: | Thoroughly clean the mouth with water In case of discomfort: Supply with medical care. |
| Personal Protection for First-aid Responders: | No data available. |

4.2 Most important symptoms and effects, both acute and delayed

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Symptoms: Up to now no symptoms are known.

Hazards: No data available.

4.3 Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: foam, carbon dioxide, dry powder, water spray.

Unsuitable extinguishing media: High volume water jet.

5.2 Special hazards arising from the substance or mixture:

In the event of fire the following can be released: - Carbon monoxide, carbon dioxide, silicon dioxide Under certain conditions of combustion traces of other toxic substances cannot be excluded

5.3 Advice for firefighters

Special fire fighting procedures: No specific precautions.

Special protective equipment for fire-fighters: Do not inhale explosion and/or combustion gases. Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Use personal protective equipment.

6.1.1 For non-emergency personnel: No data available.

6.1.2 For emergency responders: No data available.

6.2 Environmental Precautions: Do not allow to enter drains or waterways Prevent product from getting into subsoil/soil.

6.3 Methods and material for containment and cleaning up: Take up with absorbent material (eg sand, kieselguhr, universal binder) Dispose of absorbed material in accordance with the regulations.

6.4 Reference to other sections: For further information on exposure monitoring and disposal see sections 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Technical measures: No data available.

Local/Total ventilation: No data available.

Safe handling advice: Provide good ventilation of working area (local exhaust ventilation if necessary). Do not inhale

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gases/vapours/aerosols. Avoid contact with skin and eyes.

Contact avoidance measures: No data available.

7.2 Conditions for safe storage, including any incompatibilities
Safe storage conditions: Keep container tightly closed in a cool, well-ventilated place.

Safe packaging materials: No data available.

7.3 Specific end use(s): No further recommendations.

SECTION 8: Exposure controls/personal protection
8.1 Control Parameters
Occupational Exposure Limits

| Chemical name | Type | Form of exposure | Exposure Limit Values | | Source |
|--|------|------------------|-----------------------|-----------------------|--------------------|
| Silane, dichlorodimethyl-, reaction products with silica | TWA | Respirable dust. | | 2.4 mg/m ³ | EH40 WEL (12 2011) |
| | TWA | Inhalable dust. | | 6 mg/m ³ | EH40 WEL (12 2011) |

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

DNEL-Values

Remarks: No DNEL/DMEL values on file.

PNEC-Values

Remarks: No PNEC values on file.

8.2 Exposure controls
Appropriate Engineering Controls: No data available.

Individual protection measures, such as personal protective equipment
Eye/face protection: Safety glasses

Hand Protection: Additional Information: PVC gloves

Skin and Body Protection: protective clothing

Respiratory Protection: in case of formation of vapours/aerosols: Short term: filter apparatus, combination filter A-P2

Hygiene measures: Wash hands before breaks and immediately after handling the product. When using do not eat, drink or smoke. Remove soiled or soaked clothing immediately.

Environmental Controls: The environmental regulations on the control and monitoring of environmental exposures are to be observed.

SECTION 9: Physical and chemical properties
9.1 Information on basic physical and chemical properties

Product name: TEGO® Foamex 830

Appearance

| | |
|--|----------------|
| Physical state: | liquid |
| Form: | liquid |
| Color: | Colorless |
| Odor: | Mild |
| Odor Threshold: | not measured |
| Freezing point: | not measured |
| Boiling Point: | not measured |
| Flammability: | not measured |
| Upper/lower limit on flammability or explosive limits | |
| Explosive limit - upper: | not measured |
| Explosive limit - lower: | not measured |
| Flash Point: | > 100 °C |
| Auto-ignition temperature: | not measured |
| Decomposition Temperature: | not measured |
| pH: | Not applicable |

Viscosity

| | |
|-----------------------------|---|
| Dynamic viscosity: | 300 - 600 mPa.s at 25 °C Method: DIN 53015 |
| Kinematic viscosity: | 296 - 591 mm ² /s at 25 °C , Method: calculated |

Solubility(ies)

| | |
|---|--|
| Solubility in Water: | Insoluble |
| Solubility (other): | not measured |
| Partition coefficient (n-octanol/water): | not measured |
| Vapor pressure: | not measured |
| Relative density: | not measured |
| Density: | 1.005 - 1.015 g/cm ³ at 20 °C |
| Relative vapor density: | not measured |

9.2 Other information

| | |
|------------------------------|-------------------------|
| Explosive properties: | not measured |
| Oxidizing properties: | not oxidizing |
| Self-ignition: | not measured |
| Metal Corrosion: | Not corrosive to metals |
| Evaporation Rate: | not measured |

SECTION 10: Stability and reactivity

| | |
|---|---|
| 10.1 Reactivity: | see section "Possibility of hazardous reactions". |
| 10.2 Chemical Stability: | The product is stable under normal conditions. |
| 10.3 Possibility of hazardous reactions: | No hazardous reactions with proper storage and handling |

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- 10.4 Conditions to avoid:** None with proper storage and handling.
- 10.5 Incompatible Materials:** Not known.
- 10.6 Hazardous Decomposition Products:** None with proper storage and handling.

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Information on likely routes of exposure**

Inhalation: Information on effects are given below.

Skin Contact: Information on effects are given below.

Eye contact: Information on effects are given below.

Ingestion: Information on effects are given below.

Acute toxicity (list all possible routes of exposure)**Oral**

Product: No data available.
Not classified for acute toxicity based on available data.

Components:

Silane, dichlorodimethyl-, LD 50, Rat, Female, Male, > 5,000 mg/kg, OECD 401, (analogy)
reaction products with
silica

Dermal

Product: No data available.
Not classified for acute toxicity based on available data.

Components:

Silane, dichlorodimethyl-, LD 50, Rabbit, > 5,000 mg/kg, (analogy)
reaction products with
silica

Inhalation

Product: No data available.
Not classified for acute toxicity based on available data.

Components:

Silane, dichlorodimethyl-, LC 50, Rat, Female, Male, 4 h, > 5.01 mg/l, Dust and mist, OECD 436,
reaction products with
silica (analogy)
Vapour, Not toxic after single exposure, Not applicable

Repeated dose toxicity

Product: No data available.

Components:

Silane, dichlorodimethyl-, NOAEL Rat, Male, Oral, 28 day, 7 days a week, >= 1,000 mg/kg, No
reaction products with
silica negative effects. (analogy)

Skin Corrosion/Irritation

Product: No data available.

Components:

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Silane, dichlorodimethyl-, Not irritating, OECD 404, Rabbit, (analogy)
reaction products with
silica

Serious Eye Damage/Eye Irritation

Product: No data available.

Components:

Silane, dichlorodimethyl-, Not irritating, analogous OECD method, Rabbit, (analogy)
reaction products with
silica

Respiratory or Skin Sensitization

Product: No data available.

Components:

Silane, dichlorodimethyl-, Local Lymph Node Assay (LLNA), OECD 429, Mouse, Not a skin
reaction products with sensitizer., (analogy)
silica Maximization Test, OECD 406, Guinea Pig, Not a skin sensitizer.,
(analogy)

Carcinogenicity

Product: No data available.

Components:

Silane, dichlorodimethyl-, No evidence that cancer may be caused.
reaction products with
silica

Germ Cell Mutagenicity

No data available.

In vitro

Product: No data available.

Components:

Silane, dichlorodimethyl-, gene mutation test, OECD 471: , negative, (analogy)
reaction products with gene mutation test, OECD 490: , negative, (analogy)
silica Chromosomal aberration, OECD 473: , negative, (analogy)

In vivo

Product: No data available.

Components:

Silane, dichlorodimethyl-, Chromosomal aberration, OECD 475, Oral, Rat, Male, negative,
reaction products with (analogy)
silica

Reproductive toxicity

Product: No data available.

Components:

Silane, dichlorodimethyl-, no evidence of reproductiontoxic properties
reaction products with
silica

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Components:

Silane, dichlorodimethyl-, no evidence for hazardous properties
reaction products with
silica

Specific Target Organ Toxicity - Repeated Exposure

Product name: TEGO® Foamex 830

Product: No data available.

Components:
 Silane, dichlorodimethyl-, no evidence for hazardous properties
 reaction products with
 silica

Aspiration Hazard

Product: Not classified

Components:
 Silane, dichlorodimethyl-, Not applicable
 reaction products with
 silica

11.2 Information on other hazards
Other information

Product: No data available.

| |
|---|
| SECTION 12: Ecological information |
|---|

12.1 Toxicity:
Acute hazards to the aquatic environment:
Fish

Product: No data available.

Components:
 Silane, dichlorodimethyl-, LC 50, (Brachydanio rerio), 96 h, > 10,000 mg/l OECD 203, The reported
 , reaction products with toxic effects relate to the nominal concentration. (analogy)
 silica

Aquatic Invertebrates

Product: No data available.

Components:
 Silane, dichlorodimethyl-, EC 50, Daphnia magna, 24 h, > 1,000 mg/l OECD 202, The reported
 , reaction products with toxic effects relate to the nominal concentration. (analogy)
 silica

Toxicity to Aquatic Plants

Product: No data available.

Components:
 Silane, dichlorodimethyl-, EC 50 (Desmodesmus subspicatus (green algae), 72 h): > 173 mg/l
 reaction products with (OECD 201) (analogy)
 silica

Toxicity to microorganisms

Product: No data available.

Components:
 Silane, dichlorodimethyl-, EC 50, local activated sludge, 3 h, > 2,500 mg/l, OECD 209, (analogy)
 reaction products with
 silica

Toxicity to soil dwelling organisms

Product: No data available.

Components:
 Silane, dichlorodimethyl-, No data available.
 reaction products with

Product name: TEGO® Foamex 830

silica

Toxicity to terrestrial organisms

Product: No data available.

Components:

Silane, dichlorodimethyl-, No data available.
reaction products with
silica

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Components:

Silane, dichlorodimethyl-, No data available.
, reaction products with
silica

Aquatic Invertebrates

Product: No data available.

Components:

Silane, dichlorodimethyl-, No data available.
, reaction products with
silica

Toxicity to Aquatic Plants

Product: No data available.

Components:

Silane, dichlorodimethyl-, No data available.
reaction products with
silica

Toxicity to microorganisms

Product: No data available.

Components:

Silane, dichlorodimethyl-, EC 50, local activated sludge, 3 h, > 2,500 mg/l, OECD 209, (analogy)
reaction products with
silica

Toxicity to soil dwelling organisms

Product: No data available.

Components:

Silane, dichlorodimethyl-, No data available.
reaction products with
silica

Toxicity to terrestrial organisms

Product: No data available.

Components:

Silane, dichlorodimethyl-, No data available.
reaction products with
silica

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

Components:

Product name: TEGO® Foamex 830

Silane, dichlorodimethyl-, reaction products with silica The methods designed to assess persistence and biodegradability are not applicable to this product, in analogy to inorganic substances.

12.3 Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Components:

Silane, dichlorodimethyl-, reaction products with silica Not to be expected.

Partition Coefficient n-octanol / water (log Kow)

Product: not measured

Components:

Silane, dichlorodimethyl-, reaction products with silica , Not applicable

12.4 Mobility in soil:

Product No data available.

Components:

Silane, dichlorodimethyl-, reaction products with silica No remarkable mobility in soil is to be expected.

12.5 Results of PBT and vPvB assessment:

Product No data available.

Components:

Silane, dichlorodimethyl-, reaction products with silica No data available.

12.6 Other adverse effects:

Other hazards

Product: Do not allow to enter soil, waterways or waste water canal.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: No data available.

Disposal methods: In accordance with local authority regulations, take to special waste incineration plant

Contaminated Packaging: If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

SECTION 14: Transport information

14.1 UN/ID No.

Not regulated as a dangerous good

Product name: TEGO® Foamex 830

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I: Not applicable

15.2 Chemical safety assessment: No chemical safety assessment was carried out for this product.

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

SECTION 16: Other information

Abbreviations and acronyms:

EH40 WEL: UK. EH40 Workplace Exposure Limits (WELs), as amended
EH40 WEL / TWA: Time Weighted Average (TWA):

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; EIGA - European Industrial Gases Association; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport

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Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Notes:

| | |
|----------------|----------------|
| Not applicable | Not applicable |
|----------------|----------------|

Key literature references and sources for data: No data available.

Wording of the statements in section 2 and 3

: none

Training information: Comply with national laws regulating employee instruction.

Revision Information Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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