# SAFETY DATA SHEET

## 1. Identification

**Product identifier: TEGO® Foamex 1497**

**Chemical name:** Aqueous emulsion of an organic modified siloxanes

**Other means of identification**

**Recommended use:** Industrial use

**Recommended restrictions:** None known.

**Manufacturer/Importer/Distributor Information**

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## 2. Hazard(s) identification

**Classification according to GHS**

**Health Hazards**

Skin Corrosion/Irritation Category 3

**Label Elements**

**Hazard Symbol:** No symbol

**Signal Word:** Warning

**Hazard Statement:** Causes mild skin irritation.

**Precautionary Statements**

**Response:** If skin irritation occurs: Get medical advice/attention.

**Other hazards:** None known.

## 3. Composition/information on ingredients

**Chemical name:**
Aqueous emulsion of an organic modified siloxanes

**Mixtures**

| Chemical Identity | Common name and synonyms | CAS number | Content in percent (%)* |
|---|---|---|---|
| Ethanol, 2-amino- | No data available. | 141-43-5 | <0,5% |

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

The exact concentration has been withheld as a trade secret.

## 4. First-aid measures

**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.

**Most important symptoms and effects, both acute and delayed**

**Symptoms:** Up to now no symptoms are known.

**Hazards:** No data available.

**Indication of immediate medical attention and special treatment needed**

**Treatment:** Treat symptomatically.

## 5. Fire-fighting measures

**Suitable (and unsuitable) extinguishing media**

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

**Unsuitable extinguishing media:** High volume water jet.

**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

**Special protective equipment and precautions 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.

## 6. Accidental release measures

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

**Accidental release measures:** No data available.

**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.

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

## 7. Handling and storage

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

**Contact avoidance measures:** No data available.

**Storage**

**Safe storage conditions:** Keep container tightly closed in a cool, well-ventilated place.Protect from heat and direct sunlight Homogenise

before using. Protect from frost.

**Safe packaging materials:** No data available.

## 8. Exposure controls/personal protection

**Control Parameters**

**Occupational Exposure Limits**

Observe national threshold limit values.

**Biological Limit Values**

Observe national threshold limit values.

**Appropriate Engineering Controls** No data available.

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

**General information:** No data available.

**Eye/face protection:** Safety glasses

**Hand Protection:** Additional Information: PVC gloves

**Other:** 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.

## 9. Physical and chemical properties

**Information on basic physical and chemical properties**

**Appearance**

**Physical state:** liquid

**Form:** liquid

**Color:** White

**Odor:** faint inherent odor

**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/> 212 °F

| | |
|---|---|
| **Auto-ignition temperature:** | not measured |
| **Decomposition Temperature:** | not measured |
| **pH:** | 6 - 8<br>100 %<br>25 °C/77 °F |
| **Viscosity** | |
| **Dynamic viscosity:** | 600 - 1.000 mPa.s<br>25 °C/77 °F |
| **Kinematic viscosity:** | 600 - 1000 mm2/s<br>25 °C/77 °F ,<br>Method: calculated |
| **Flow Time:** | No data available. |
| **Solubility(ies)** | |
| **Solubility in Water:** | miscible |
| **Solubility (other):** | not measured |
| **Partition coefficient (n-octanol/water):** | not measured |
| **Vapor pressure:** | not measured |
| **Relative density:** | not measured |
| **Density:** | Approximate<br>1 g/cm3<br>25 °C/77 °F |
| **Bulk density:** | No data available. |
| **Relative vapor density:** | not measured |
| **Other information** | |
| **Explosive properties:** | not measured |
| **Oxidizing properties:** | not oxidizing |
| **Pyrophoric properties:** | not measured |
| **Metal Corrosion:** | Not corrosive to metals |
| **Evaporation Rate:** | not measured |

## 10. Stability and reactivity

| | |
|---|---|
| **Reactivity:** | see section "Possibility of hazardous reactions". |
| **Chemical Stability:** | The product is stable under normal conditions. |
| **Possibility of hazardous reactions:** | No hazardous reactions with proper storage and handling |
| **Conditions to avoid:** | Open flames, sparks or input of much heat direct sunlight<br>Freezing. |
| **Incompatible Materials:** | Not known. |

**Hazardous Decomposition Products:** None with proper storage and handling.

## 11. Toxicological information

**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:** LD 50, ATEmix, > 5.000 mg/kg
**Components:**
Ethanol, 2-amino- LD 50, Rat, Female, Male, 1.089 mg/kg, OECD 401
LD 50, Rat, 1.515 mg/kg, OECD 401

**Dermal**
**Product:** LD 50, ATEmix, > 5.000 mg/kg
**Components:**
Ethanol, 2-amino- LD 50, Acute toxicity estimate, 1.100 mg/kg

**Inhalation**
**Product:** No data available.
**Components:**
Ethanol, 2-amino- LC 50, Acute toxicity estimate, 4 h, 11 mg/l, Vapour
LC 50, Acute toxicity estimate, 4 h, 1,5 mg/l, Dust and mist

**Repeated dose toxicity**
**Product:** No data available.
**Components:**
Ethanol, 2-amino- No data available.

**Skin Corrosion/Irritation**
**Product:** No data available.
**Components:**
Ethanol, 2-amino- Corrosive., OECD 404, Rabbit, > 3,01 min - < 1 h

**Serious Eye Damage/Eye Irritation**
**Product:** No data available.
**Components:**
Ethanol, 2-amino- Risk of serious damage to eyes., OECD 405, Rabbit

**Respiratory or Skin Sensitization**
**Product:** No data available.
**Components:**
Ethanol, 2-amino- Maximization Test, OECD 406, Guinea Pig, Not a skin sensitizer.

**Carcinogenicity**
**Product:** No data available.

**Components:**
Ethanol, 2-amino- No data available.

**Germ Cell Mutagenicity**
No data available.

**In vitro**
**Product:** No data available.
**Components:**
Ethanol, 2-amino- Ames test, OECD 474: , negative

**In vivo**
**Product:** No data available.
**Components:**
Ethanol, 2-amino- No data available.

**Reproductive toxicity**
**Product:** No data available.
**Components:**
Ethanol, 2-amino- No data available.

**Specific Target Organ Toxicity - Single Exposure**
**Product:** No data available.

**Components:**
Ethanol, 2-amino- Inhalation - vapor, Respiratory system, Category 3 with respiratory tract irritation.

**Specific Target Organ Toxicity - Repeated Exposure**
**Product:** No data available.

**Components:**
Ethanol, 2-amino- No data available.

**Aspiration Hazard**
**Product:** Not classified
**Components:**
Ethanol, 2-amino- Not classified

**Information on health hazards**

**Other hazards**
**Product:** No data available.

## 12. Ecological information

**Ecotoxicity:**
**Acute hazards to the aquatic environment:**

**Fish**
**Product:** LC 50, Danio rerio, 96 h, > 100 mg/l OECD 203, The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).

**Components:**
Ethanol, 2-amino- LC 50, Cyprinus carpio, 96 h, 349 mg/l

**Aquatic Invertebrates**
**Product:** EC 50, Daphnia magna, 48 h, > 100 mg/l OECD 202, The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).
**Components:**
Ethanol, 2-amino- EC 50, Daphnia magna, 48 h, 27,04 mg/l OECD 202

**Toxicity to Aquatic Plants**
**Product:** No data available.
**Components:**
Ethanol, 2-amino- EC 50 (Selenastrum capricornutum (green algae), 72 h): 2,8 mg/l (OECD 201)

**Toxicity to microorganisms**
**Product:** No data available.
**Components:**
Ethanol, 2-amino- EC 50, activated sludge, 0,5 h, > 1.000 mg/l, OECD 209

**Toxicity to soil dwelling organisms**
**Product:** No data available.
**Components:**
Ethanol, 2-amino- No data available.

**Toxicity to terrestrial organisms**
**Product:** No data available.
**Components:**
Ethanol, 2-amino- No data available.

**Chronic hazards to the aquatic environment:**

**Fish**
**Product:** No data available.
**Components:**
Ethanol, 2-amino- NOEC, Oryzias latipes, 41 d, 1,24 mg/l, OECD 212
Lowest Observed Effect Concentration, Oryzias latipes, 41 d, 3,55 mg/l, OECD 212

**Aquatic Invertebrates**
**Product:** No data available.
**Components:**
Ethanol, 2-amino- NOEC, Daphnia magna, 21 d, 0,85 mg/l, OECD 211
NOEC, Daphnia magna, 21 d, 15,75 mg/l, OECD 211

**Toxicity to Aquatic Plants**
**Product:** NOEC (Desmodesmus subspicatus (green algae), 72 h): 100 mg/l (OECD 201) The product was tested above its maximum solubility. The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).
**Components:**
Ethanol, 2-amino- NOEC (Selenastrum capricornutum (green algae), 72 h): 1 mg/l (OECD 201)

**Toxicity to microorganisms**

**Product:** No data available.
**Components:**
Ethanol, 2-amino- EC 50, activated sludge, 0,5 h, > 1.000 mg/l, OECD 209

**Toxicity to soil dwelling organisms**
**Product:** No data available.
**Components:**
Ethanol, 2-amino- No data available.

**Toxicity to terrestrial organisms**
**Product:** No data available.
**Components:**
Ethanol, 2-amino- No data available.

**Persistence and Degradability**

**Biodegradation**

**Product:** No data available.
**Components:**
Ethanol, 2-amino- 90 - 100 %, 28 d, OECD 301 A, The product is easily biodegradable., aerobic

**BOD/COD Ratio**

**Product:** No data available.
**Components:**
Ethanol, 2-amino- No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**
**Product:** No data available.
**Components:**
Ethanol, 2-amino- No data available.

**Partition Coefficient n-octanol / water (log Kow)**
**Product:** not measured
**Components:**
Ethanol, 2-amino- -2,299, 25 °C

**Mobility in soil:**

**Product** No data available.
**Components:**
Ethanol, 2-amino- No data available.

**Other adverse effects:**

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

## 13. Disposal considerations

**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.

## 14. Transport information

**International Regulations**

**UNRTDG**
Not regulated as a dangerous good

**IATA-DGR**
Not regulated as a dangerous good

**IMDG-Code**
Not regulated as a dangerous good

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
Not applicable for product as supplied.

## 15. Regulatory information

**International regulations**

**Montreal protocol**
Not applicable

**Stockholm convention**
Not applicable

**Rotterdam convention**
Not applicable

**Kyoto protocol**
Not applicable

## 16.Other information, including date of preparation or last revision

**Issue Date:** 04.03.2019

**Version #:** 1.2

**Abbreviations and acronyms:**

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act;

CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; 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; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; 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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

**Further Information:** No data available.

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

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