

# SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

## 1. Identification

**Product identifier:** TEGOMER E-SI 2330

**Chemical name:**

Polydimethylsiloxane, epoxy siloxanes

**Other means of identification**

**CAS Number:** 102782-97-8

**Recommended restrictions**

**Recommended use:** Industrial Use

**Restrictions on use:** None known.

**Manufacturer/Importer/Distributor Information**

Company Name : Evonik Corporation  
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Parsippany, NJ 07054  
USA

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E-mail : product-regulatory-services@evonik.com

**Emergency telephone number:**

24-Hour Health : +1 800 424 9300 (CHEMTREC - US & CANADA)

Emergency : +1 800 681 9531 (CHEMTREC MEXICO)

+1 703 527 3887 (CHEMTREC WORLD)

## 2. Hazard(s) identification

**Hazard Classification**

**Health Hazards**

Skin sensitizer	Category 1
Serious Eye Damage/Eye Irritation	Category 2
Skin Corrosion/Irritation	Category 2

**Label Elements**

**Hazard Symbol:**



<b>Signal Word:</b>	Warning
<b>Hazard Statement:</b>	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.
<b>Precautionary Statements</b>	
<b>Prevention:</b>	Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Wear protective gloves/eye protection/face protection.
<b>Response:</b>	IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice/attention.
<b>Hazard(s) not otherwise classified (HNOC):</b>	None.

### 3. Composition/information on ingredients

**Chemical name:**

Polydimethylsiloxane, epoxy siloxanes

**Substances**

Chemical Identity	CAS number	Content in percent (%) <sup>*</sup>
Siloxanes and Silicones, di-Me, 3-(oxiranylmethoxy)propyl group-terminated	102782-97-8	100.0000%

<sup>\*</sup> All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First-aid measures

**Description of necessary first-aid measures**

<b>General information:</b>	Remove contaminated clothing.
<b>Inhalation:</b>	No special first aid measures required.
<b>Skin Contact:</b>	Immediately and thoroughly, wash off with soap and water.
<b>Eye contact:</b>	Flush eye(s) for 15 minutes or more; if irritation persists, consult a physician (preferably an eye specialist) and show MSDS.
<b>Ingestion:</b>	If swallowed, seek medical attention and show MSDS.
<b>Personal Protection for First-aid Responders:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

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

<b>Symptoms:</b>	No information is on file to date regarding acute and/or delayed post-exposure symptoms and effects.
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**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:** Not applicable

**Specific hazards arising from the chemical:** In the event of fire the following can be released: - carbon dioxide, carbon monoxide - Silicon dioxide

**Special protective equipment and precautions for firefighters**

**Special fire fighting procedures:** Cool endangered containers by water spray

**Special protective equipment for fire-fighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

**6. Accidental release measures**

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

**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 Do not discharge into the subsoil/soil.

**7. Handling and storage**

**Handling**

**Technical measures (e.g. Local and general ventilation):** Good general (mechanical) ventilation should be sufficient to control airborne levels.

**Safe handling advice:** No data available. Ensure adequate ventilation.

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

**Hygiene measures:** No smoking, eating or drinking allowed when using this product. Wash hands before breaks and at end of work shift. Remove soiled or soaked clothing immediately.

**Storage**

**Safe storage conditions:** Storage: cool and dry Keep container tightly closed.

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

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

No data available.  
 None of the components have assigned exposure limits.  
 Hazardous components without workplace control parameters

#### Appropriate Engineering Controls

Good general (mechanical) ventilation should be sufficient to control airborne levels.

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

**Eye/face protection:** Safety Goggles recommended for use.

#### Skin Protection

##### Hand Protection:

Material: gloves made of nitril (NBR)  
 Break-through time: 480 min  
 Material: gloves made of natural latex  
 Break-through time: 480 min  
 Material: gloves made of chloroprene (CR, e.g. Neoprene)  
 Break-through time: 480 min  
 Material: gloves made of butyl (IIR)  
 Break-through time: 480 min

##### Skin and Body Protection:

light protective clothing

**Respiratory Protection:** Respiratory protection not required.

**Hygiene measures:** No smoking, eating or drinking allowed when using this product. Wash hands before breaks and at end of work shift. Remove soiled or soaked clothing immediately.

## 9. Physical and chemical properties

### Appearance

<b>Physical state:</b>	liquid
<b>Form:</b>	liquid
<b>Color:</b>	yellowish
<b>Odor:</b>	Characteristic
<b>Odor Threshold:</b>	not measured
<b>pH:</b>	Not applicable delivered form
<b>Freezing point:</b>	not measured
<b>Boiling Point:</b>	not measured
<b>Flash Point:</b>	216 °F (TAG CC)
<b>Evaporation Rate:</b>	Unavailable
<b>Flammability (solid, gas):</b>	no data available

<b>Explosive limit - upper (%):</b>	not measured
<b>Explosive limit - lower (%):</b>	not measured
<b>Vapor pressure:</b>	not measured
<b>Vapor density (air=1):</b>	not measured
<b>Density:</b>	0.96 - 1.05 g/cm <sup>3</sup> (25 °C)
<b>Relative density:</b>	No data available.

**Solubility(ies)**

<b>Solubility in Water:</b>	Insoluble
<b>Solubility (other):</b>	not measured
<b>Partition coefficient (n-octanol/water):</b>	not measured
<b>Self Ignition Temperature:</b>	not measured
<b>Decomposition Temperature:</b>	not measured
<b>Kinematic viscosity:</b>	No data available.
<b>Dynamic viscosity:</b>	30 - 50 mPa.s (25 °C, DIN 53015 (Höppler))

**Other information**

<b>Explosive properties:</b>	not measured
<b>Oxidizing properties:</b>	not measured
<b>Minimum ignition temperature:</b>	not measured
<b>Metal Corrosion:</b>	not measured

**10. Stability and reactivity**

<b>Reactivity:</b>	see section "Possibility of hazardous reactions"
<b>Chemical Stability:</b>	The product is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	No No hazardous reactions with proper storage and handling.
<b>Conditions to avoid:</b>	Unknown
<b>Incompatible Materials:</b>	Unknown
<b>Hazardous Decomposition Products:</b>	None with proper storage and handling.

**11. Toxicological information**
**Information on likely routes of exposure**

<b>Inhalation:</b>	If handled correctly, not a relevant route of exposure. Information on effects are given below.
<b>Skin Contact:</b>	Relevant route of exposure. Information on effects are given below.
<b>Eye contact:</b>	Relevant route of exposure. Information on effects are given below.
<b>Ingestion:</b>	If handled correctly, not a relevant route of exposure. Information on effects are given below.

**Symptoms related to the physical, chemical and toxicological characteristics**

<b>Inhalation:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.
<b>Ingestion:</b>	No data available.

**Information on toxicological effects****Acute toxicity (list all possible routes of exposure)****Oral****Product:** no data available**Dermal****Product:** no data available**Inhalation****Product:** no data available**Repeated dose toxicity****Product:** no data available**Skin Corrosion/Irritation****Product:** no data available**Serious Eye Damage/Eye Irritation****Product:** no data available**Respiratory or Skin Sensitization****Product:** no data available**Carcinogenicity****Product:** No data available.**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogens present or none present in regulated quantities

**US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogens present or none present in regulated quantities

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**

No carcinogens present or none present in regulated quantities

**Germ Cell Mutagenicity****In vitro****Product:** No data available.**In vivo****Product:** No data available.**Reproductive toxicity****Product:** No data available.**Specific Target Organ Toxicity - Single Exposure****Product:** no data available**Specific Target Organ Toxicity - Repeated Exposure****Product:** no data available

**Aspiration Hazard****Product:** Not classified**Other effects:**Up to now toxicological data are not available. Irritates eyes and skin  
Possibility of sensitisation through skin contact.**12. Ecological information****Ecotoxicity:****Acute hazards to the aquatic environment:****Fish****Product:** No data available.**Aquatic Invertebrates****Product:** No data available.**Chronic hazards to the aquatic environment:****Fish****Product:** No data available.**Aquatic Invertebrates****Product:** No data available.**Toxicity to Aquatic Plants****Product:** No data available.**Persistence and Degradability****Biodegradation****Product:** No data available.**BOD/COD Ratio****Product:** No data available.**Bioaccumulative potential****Bioconcentration Factor (BCF)****Product:** No data available.**Partition Coefficient n-octanol / water (log K<sub>ow</sub>)****Product:** Log K<sub>ow</sub>: not measured**Mobility in soil:**

No data available.

**Components:**Siloxanes and Silicones,  
di-Me, 3-  
(oxiranylmethoxy)propyl  
group-terminated**Other adverse effects:**

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

**13. Disposal considerations**

<b>Disposal methods:</b>	In accordance with local authority regulations, take to special waste incineration plant
<b>Contaminated Packaging:</b>	If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

#### 14. Transport information

##### Domestic regulation

###### 49 CFR

Not regulated as a dangerous good

##### 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

##### US Federal Regulations

###### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

###### US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

None present or none present in regulated quantities.

###### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

###### CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities.

##### Superfund Amendments and Reauthorization Act of 1986 (SARA)

###### Hazard categories

Skin Corrosion or Irritation, Respiratory or Skin Sensitization

###### SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.



**US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances**

**SARA 311/312 Hazardous Chemical**  
Chemical Identity                      Threshold Planning Quantity

**SARA 313 (TRI Reporting)**  
 None present or none present in regulated quantities.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**  
 None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

None present or none present in regulated quantities.

**US State Regulations**

**US. California Proposition 65**  
 No ingredient requiring a warning under CA Prop 65.

**US. New Jersey Worker and Community Right-to-Know Act**  
 No ingredient regulated by NJ Right-to-Know Law present.

**US. Massachusetts RTK - Substance List**  
 No ingredient regulated by MA Right-to-Know Law present.

**US. Pennsylvania RTK - Hazardous Substances**  
 No ingredient regulated by PA Right-to-Know Law present.

**US. Rhode Island RTK**  
 No ingredient regulated by RI Right-to-Know Law present.

**Inventory Status:**

US TSCA Inventory:                      Included on Inventory.  
 Canada NDSL Inventory:                Included on Inventory.

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

**HMIS Hazard ID**

<b>Health</b>	2
<b>Flammability</b>	1
<b>Physical Hazards</b>	0
<b>PERSONAL PROTECTION</b>	X

Ask supervisor or safety specialist for handling instructions

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; \*Chronic health effect

**Issue Date:**                              03/15/2019

**Version #:**                                1.0

**Further Information:**                 CTFA: complies

**Revision Information:**

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

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