# SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

## 1. Identification

**Product identifier:** TEGO RAD 2300
**Chemical name:**
Acrylated polyethersiloxane

**Other means of identification**
None.

**Recommended restrictions**
**Recommended use:** Industrial use
**Restrictions on use:** None known.

**Manufacturer/Importer/Distributor Information**

| | | |
|---|---|---|
| Company Name | : | Evonik Corporation<br>Nutrition & Care<br>PO Box 34628<br>Richmond, VA 23234<br>USA |
| Telephone | : | +1 804 727 0700 |
| Fax | : | +1 804 727 0845 |
| E-mail | : | product-regulatory-services@evonik.com |

**Emergency telephone number:**

| | | |
|---|---|---|
| 24-Hour Health Emergency | : | +1 800 424 9300 (CHEMTREC - US & CANADA)<br>800 681 9531 (CHEMTREC MEXICO)<br>+1 703 527 3887 (CHEMTREC WORLD) |

## 2. Hazard(s) identification

**Hazard Classification**

Not classified

**Label Elements**

**Hazard Symbol:** No symbol

**Signal Word:** No signal word.

**Hazard Statement:** Not applicable

**Precautionary Statements**

**Hazard(s) not otherwise classified (HNOC):** None.

## 3. Composition/information on ingredients

**Chemical name:**
Acrylated polyethersiloxane

**Substances**

**Composition information of impurities and stabilizers**

| Chemical Identity | Common name and synonyms | CAS number | Content in percent (%)* |
|---|---|---|---|
| n-butyl acrylate | | 141-32-2 | 0.1 - <1% |

* 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 necessary 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 immediately 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:** Do not inhale explosion and/or combusition gases., Self-contained breathing apparatus.

**Most important symptoms/effects, 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. |
| **Specific hazards arising from the chemical:** | In the event of fire the following can be released: - Carbon monoxide, carbon dioxide, silicon dioxide - Formaldehyde 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 combusition gases. Self-contained breathing apparatus. |

## 6. Accidental release measures

| | |
|---|---|
| **Personal precautions, protective equipment and emergency procedures:** | Use personal protective equipment. Ensure adequate ventilation. |
| **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):** | Installation of an appropriate extraction system is necessary: - on the coater head if aerosol formation (misting) of the liquid silicone is observed - at the end of the UV chamber to remove most of the nitrogen gas (free radical curing silicones only), ozone and potential volatiles from the coating material. - when converting cured silicone at temperatures above 120°C - e.g. embossing and hotmelt coating - to remove potentially outgassing components. Short term: filter apparatus, combination filter A-P2 |
| **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.If vapours / aerosols are generated during processing, local extraction at the processing machines is recommended. Do not inhale aerosols/ vapours/ gases as they are hazardous. |
| **Contact avoidance measures:** | No data available. |

**Storage**

| | |
|---|---|
| **Safe storage conditions:** | Keep container tightly closed in a cool, well-ventilated place.Keep away from direct sunlight.Do not store together with oxidizing agents.Do not keep at temperatures above 30 °C. |

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

## 8. Exposure controls/personal protection

**Control Parameters**
**Occupational Exposure Limits**
None of the components have assigned exposure limits.
Hazardous components without workplace control parameters

| Chemical Identity | Type | Exposure Limit Values | | Source |
|---|---|---|---|---|
| n-butyl acrylate | TWA | 2 ppm | | US. ACGIH Threshold Limit Values, as amended (03 2016) |
| | REL | 10 ppm | 55 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010) |
| | IDLH | 113 ppm | | US. NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended (10 2017) |
| | ST ESL | | 20 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (06 2018) |
| | AN ESL | | 11 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (06 2018) |
| | ST ESL | | 110 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (06 2018) |
| | AN ESL | | 2 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (06 2018) |

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).

**Appropriate Engineering Controls** Installation of an appropriate extraction system is necessary: - on the coater head if aerosol formation (misting) of the liquid silicone is observed - at the end of the UV chamber to remove most of the nitrogen gas (free radical curing silicones only), ozone and potential volatiles from the coating material. - when converting cured silicone at temperatures above 120°C - e.g. embossing and hotmelt coating - to remove potentially outgassing components. Short term: filter apparatus, combination filter A-P2

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

**Eye/face protection:** safety glasses

**Skin Protection**
**Hand Protection:** Material: Nitrile rubber.
Break-through time: 10 min

**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:** | Do not eat, drink or smoke when working. Remove soiled or soaked clothing immediately. Wash hands before breaks and immediately after handling the product. |

## 9. Physical and chemical properties

**Information on basic physical and chemical properties**

| | |
|---|---|
| **Appearance** | |
| **Physical state:** | liquid |
| **Form:** | liquid |
| **Color:** | colourless to yellowish |
| **Odor:** | like acrylic |
| **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:** | > 212 °F/> 100 °C (DIN EN 22719) |
| **Self Ignition Temperature:** | not measured |
| **Decomposition Temperature:** | not measured |
| **pH:** | Not applicable |
| **Viscosity** | |
| **Dynamic viscosity:** | 200 - 700 mPa.s (77 °F/25 °C) |
| **Kinematic viscosity:** | 196 - 686 mm2/s (77 °F/25 °C, calculated) |
| **Flow Time:** | Not applicable |
| **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:** | 1.02 g/cm3 (77 °F/25 °C) |
| **Bulk density:** | Not applicable |
| **Relative vapor density:** | not measured |
| **Particle characteristics** | |
| **Particle Size Distribution:** | Not applicable |
| **Specific surface area:** | Not applicable |
| **Surface charge/Zeta potential:** | Not applicable |
| **Assessment:** | Not applicable |
| **Shape:** | Not applicable |
| **Crystallinity:** | Not applicable |
| **Surface treatment:** | Not applicable |

**Other information**

| | |
|---|---|
| **Explosive properties:** | not measured |
| **Oxidizing properties:** | not oxidizing |
| **Minimum ignition temperature:** | not measured |
| **Metal Corrosion:** | Does not corrode metal. |
| **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:** | Risk of polymerisation. |
| **Conditions to avoid:** | Open flames, sparks or input of much heat Direct sunlight |
| **Incompatible Materials:** | Oxidizing agents. |
| **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. |

**Information on toxicological effects**

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

**Oral**
**Product:** LD 50 (Rat): > 2,000 mg/kg (OECD 423)

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

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

**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:** Magnussona i Kligmana., OECD 406 (Guinea Pig): Not a skin sensitizer.

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

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**
No carcinogens present or none present in regulated quantities

**ACGIH: US.ACGIH Threshold Limit Values:**
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), as amended:**
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

**Information on health hazards**

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

## 12. Ecological information

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

**Fish**
**Product:** No data available.

**Aquatic Invertebrates**
**Product:** EC 50 (Daphnia magna, 48 h): > 100 mg/l

**Toxicity to Aquatic Plants**
**Product:** No data available.
**Components:**
n-butyl acrylate — EC 50 (Selenastrum capricornutum (green algae), 96 h): 2.65 mg/l (OECD 201)

**Toxicity to microorganisms**
**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.

**Toxicity to microorganisms**
**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 Kow)**
**Product:** Log Kow: not measured

**Mobility in soil:**

**Product** No data available.

**Results of PBT and vPvB assessment:**

**Product** 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

**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), as amended**
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**
Not classified

**US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances**
None present or none present in regulated quantities.

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required**
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.

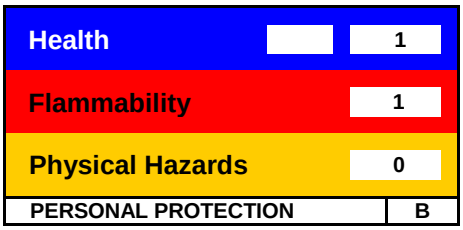
**US. Rhode Island RTK**
No ingredient regulated by RI Right-to-Know Law present.

**Inventory Status:**

| | |
|---|---|
| US TSCA Inventory: | Included on Inventory. |
| Canada DSL Inventory List: | Included on Inventory. |

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

**HMIS Hazard ID**




B - Safety Glasses & Gloves

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

| | |
|---|---|
| **Issue Date:** | 02/26/2021 |
| **Version #:** | 1.1 |
| **Further Information:** | noneCTFA: complies |
| **Revision Information** | Changes since the last version are highlighted in the margin. This version replaces all previous versions. |

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