

# SAFETY DATA SHEET

Classified in accordance with 29 CFR 1910.1200

## 1. Identification

**Product identifier:** SURFYNOL® SE-F

**Chemical name:**  
Acetylenic diol in solvent

**Other means of identification**  
None.

### Recommended restrictions

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

### Manufacturer/Importer/Distributor Information

Company Name : Evonik Corporation  
Nutrition & Care  
PO Box 34628  
Richmond, VA 23234  
USA

Telephone : +1 804 727 0700

Fax : +1 804 727 0845

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

### Emergency telephone number:

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

## 2. Hazard(s) identification

### Hazard Classification

#### Health Hazards

|                                   |            |
|-----------------------------------|------------|
| Serious Eye Damage/Eye Irritation | Category 1 |
| Skin sensitizer                   | Category 1 |

#### Environmental Hazards

|  |            |
|--|------------|
| Acute hazards to the aquatic environment   | Category 3 |
| Chronic hazards to the aquatic environment | Category 3 |

### Label Elements

**Hazard Symbol:**



**Signal Word:** Danger

**Hazard Statement:** Causes serious eye damage.  
 May cause an allergic skin reaction.  
 Harmful to aquatic life with long lasting effects.

**Precautionary Statements**

**Prevention:** Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment.

**Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of water/... If skin irritation or rash occurs: Get medical advice/attention. Immediately call a POISON CENTER/doctor. Specific treatment (see on this label). Wash contaminated clothing before reuse.

**Disposal:** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

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

**3. Composition/information on ingredients**

**Chemical name:**  
 Acetylenic diol in solvent

**Mixtures**

| Chemical Identity                                | Common name and synonyms | CAS number | Content in percent (%) <sup>*</sup> |
|--|--------------------------|------------|-------------------------------------|
| Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol |                          | 9014-85-1  | 50 - <100%                          |

<sup>\*</sup> 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:** Immediately remove contaminated clothing.

|  |  |
|--|--|
| <b>Inhalation:</b>                                   | Ensure supply of fresh air. Seek medical advice if symptoms occur.   |
| <b>Skin Contact:</b>                                 | In case of contact with skin wash off with soap and water. Seek medical advice if symptoms occur.                |
| <b>Eye contact:</b>                                  | In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice                       |
| <b>Ingestion:</b>                                    | Thoroughly clean the mouth with water Seek medical advice if symptoms occur.                                     |
| <b>Personal Protection for First-aid Responders:</b> | Do not inhale explosion and/or combustion gases, Use self-contained breathing apparatus and wear protective suit |

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

**Symptoms:** Risk of serious damage to eyes.

**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 dioxide, carbon monoxide 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 Use self-contained breathing apparatus and wear protective suit

### 6. Accidental release measures

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

**Methods and material for containment and cleaning up:** Pick up with absorbent material (e.g. sand, sawdust, general-purpose 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):** No data available.

**Safe handling advice:** Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid contact with skin and eyes. Do not inhale gases/vapours/aerosols.

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

**Hygiene measures:** Wash hands before breaks and immediately after handling the product. Do not eat, drink or smoke when working. Remove soiled or soaked clothing immediately. Use barrier skin cream.

### Storage

**Safe storage conditions:** Keep container tightly closed in a cool, well-ventilated place. Protect from frost. Do not store with acids or alkalis Do not store together with oxidizing agents.

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

**Storage Temperature:** No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

None of the components have assigned exposure limits.

**Appropriate Engineering Controls** No data available.

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

**Eye/face protection:** Tightly fitting safety goggles

#### Skin Protection

**Hand Protection:** Additional Information: gloves made of chloroprene (CR, e.g. Neoprene), gloves made of nitril (NBR)

**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. Do not eat, drink or smoke when working. Remove soiled or soaked clothing immediately. Use barrier skin cream.

## 9. Physical and chemical properties

### Appearance

|   |                                |
|---|--------------------------------|
| <b>Physical state:</b>                          | liquid                         |
| <b>Form:</b>                                    | liquid                         |
| <b>Color:</b>                                   | Pale yellow                    |
| <b>Odor:</b>                                    | like menthol                   |
| <b>Odor Threshold:</b>                          | not measured                   |
| <b>pH:</b>                                      | not measured                   |
| <b>Freezing point:</b>                          | not measured                   |
| <b>Boiling Point:</b>                           | 132 °C                         |
| <b>Flash Point:</b>                             | > 110 °C                       |
| <b>Evaporation Rate:</b>                        | not measured                   |
| <b>Flammability (solid, gas):</b>               | not measured                   |
| <b>Explosive limit - upper:</b>                 | not measured                   |
| <b>Explosive limit - lower:</b>                 | not measured                   |
| <b>Vapor pressure:</b>                          | 20 hPa (21 °C)                 |
| <b>Vapor density (air=1):</b>                   | not measured                   |
| <b>Density:</b>                                 | 0.97 g/cm <sup>3</sup> (21 °C) |
| <b>Relative density:</b>                        | not measured                   |
| <b>Solubility in Water:</b>                     | not measured                   |
| <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>                     | not measured                   |
| <b>Dynamic viscosity:</b>                       | not measured                   |

### Other information

|                                      |                         |
|--------------------------------------|-------------------------|
| <b>Explosive properties:</b>         | not measured            |
| <b>Oxidizing properties:</b>         | not oxidizing           |
| <b>Minimum ignition temperature:</b> | not measured            |
| <b>Metal Corrosion:</b>              | Does not corrode metal. |

## 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 hazardous reactions with proper storage and handling. |
| <b>Conditions to avoid:</b>                | Freezing.  |
| <b>Incompatible Materials:</b>             | Oxidizing agent acids alkalines                          |

**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.

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

**Inhalation:** No data available.

**Skin Contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** No data available.

### Information on toxicological effects

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

##### Oral

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

##### Dermal

**Product:** No data available.  
ATEmix : 13,333.33 mg/kg

##### Inhalation

**Product:** No data available.  
ATEmix : 6.67 mg/l Dusts, mists and fumes

#### 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.

Product name: SURFYNOL® SE-F

**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), as amended:**

No carcinogens present or none present in regulated quantities

**Germ Cell Mutagenicity****In vitro****Product:** No data available.**Components:**

Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol

Ames test (OECD 471): negative The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).  
Chromosomal aberration (OECD 473): negative The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).  
gene mutation test (OECD 476): negative The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).

**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:** No data available.**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 Kow)**

**Product:** Log Kow: not measured

**Mobility in soil:**

No data available.

**Components:**

Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol  
No data available.

**Other adverse effects:**

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

Remarks : Not dangerous according to transport regulations.

**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**

**Chemical Identity**

Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol

**OSHA hazard(s)**

Irritant

**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**

Serious eye damage or eye irritation, Respiratory or Skin Sensitization

**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**

**Chemical Identity**

propane-1,2-diol

**US. Massachusetts RTK - Substance List**

No ingredient regulated by MA Right-to-Know Law present.

**US. Pennsylvania RTK - Hazardous Substances**

Chemical Identity

propane-1,2-diol

**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>Health</b>              | * | 3        |
| <b>Flammability</b>        |   | 1        |
| <b>Physical Hazards</b>    |   | 0        |
| <b>PERSONAL PROTECTION</b> |   | <b>B</b> |

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:** 05/06/2020

**Version #:** 1.3

**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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