

# SAFETY DATA SHEET

Classified in accordance with Health Canada Hazardous Products Regulations  
(SOR/2015-17)

## 1. Identification

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

**Chemical name:**  
Acetylenic diol in solvent

### Recommended use of the chemical and restrictions on use

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

### Manufacturer/Importer/Distributor Information

Company Name : Evonik Canada Inc.  
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Canada

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### 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)  
+1 613 996 6666 (CANUTEC – For Transportation Emergencies Only)  
+1 973 929 8060 (Product Regulatory Services)

## 2. Hazard(s) identification

### Hazard Classification According to Hazardous Products Regulations

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

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

**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.

**Physical Hazards Not Otherwise Classified:** None.

**Health Hazards Not Otherwise Classified:** None.

**3. Composition/information on ingredients**

**Chemical name:**  
 Acetylenic diol in solvent

**Mixtures**

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol	Surfactant	9014-85-1	60 - 80%
propane-1,2-diol		57-55-6	10 - 30%

\* 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**

**General information:** Immediately remove contaminated clothing.

**Inhalation:** 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**

<b>Symptoms:</b>	Risk of serious damage to eyes.
<b>Hazards:</b>	No data available.

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

<b>Treatment:</b>	Treat symptomatically.
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**5. Fire-fighting measures****Suitable (and unsuitable) extinguishing media**

<b>Suitable extinguishing media:</b>	foam, carbon dioxide, dry powder, water spray.
<b>Unsuitable extinguishing media:</b>	High volume water jet

<b>Specific hazards arising from the chemical:</b>	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
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**Special protective equipment and precautions for firefighters**

<b>Special fire fighting procedures:</b>	No specific precautions.
<b>Special protective equipment for fire-fighters:</b>	Do not inhale explosion and/or combustion gases Use self-contained breathing apparatus and wear protective suit

**6. Accidental release measures**

<b>Personal precautions, protective equipment and emergency procedures:</b>	Use personal protective equipment.
<b>Methods and material for containment and cleaning up:</b>	Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with the regulations.
<b>Environmental Precautions:</b>	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.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values		Source
propane-1,2-diol - Aerosol.	TWA		10 mg/m <sup>3</sup>	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
propane-1,2-diol - Vapor and aerosol.	TWA	50 ppm	155 mg/m <sup>3</sup>	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)

**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)

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

## 9. Physical and chemical properties

### Appearance

**Physical state:** liquid  
**Form:** liquid  
**Color:** 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(ies)</b>	
<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
<b>Other information</b>	
<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
<b>Hazardous Decomposition Products:</b>	None with proper storage and handling.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation:</b>	Information on effects are given below.
<b>Skin Contact:</b>	Information on effects are given below.
<b>Eye contact:</b>	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. No data available.

**Specified substance(s):**

Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol LD 50 (Rat): 6,300 mg/kg

propane-1,2-diol LD 50 (Rat): > 22,000 mg/kg

**Dermal**

**Product:** ATEmix : 13,333.33 mg/kg

**Inhalation**

**Product:** ATEmix : 6.67 mg/l

**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

**ACGIH: US.ACGIH Threshold Limit Values:**

No carcinogens present or none present in regulated quantities

**Germ Cell Mutagenicity**
**In vitro**

**Product:** No data available.

**Specified substance(s):**

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.

<b>12. Ecological information</b>
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**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.

**Known or predicted distribution to environmental compartments**

Ethoxylated 2,4,7,9-  
tetramethyl 5 decyn-4,7-diol  
propane-1,2-diol

No data available.  
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

##### TDG

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



**Canada Federal Regulations**  
**List of Toxic Substances (CEPA, Schedule 1)**  
 Not Regulated

**Export Control List (CEPA 1999, Schedule 3)**  
 Not Regulated

**National Pollutant Release Inventory (NPRI)**  
**Canada. National Pollutant Release Inventory (NPRI) Substances, Part 5, VOCs with Additional Reporting Requirements**

NPRI PT5                                      2-Pentanone, 4-methyl-

**Canada. National Pollutant Release Inventory (NPRI) (Schedule 1, Parts 1-4)**  
 NPRI    Not Regulated

**Canada. National Pollutant Release Inventory (NPRI) Substances, Part 5, VOCs with Additional Reporting Requirements**  
 NPRI PT5                                      Not Regulated

**Greenhouse Gases**  
 Not Regulated

**Canada. Substances Subject to Significant New Activity (SNAc) Reporting Requirements**  
 Not Regulated

**Controlled Drugs and Substances Act**

CA CDSI	Not Regulated
CA CDSII	Not Regulated
CA CDSIII	Not Regulated
CA CDSIV	Not Regulated
CA CDSV	Not Regulated
CA CDSVII	Not Regulated
CA CDSVIII	Not Regulated

**Precursor Control Regulations**  
 Not Regulated

**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**

<b>Issue Date:</b>	05/06/2020
<b>Revision Date:</b>	05/06/2020: ARGLO_SUBTYP05/06/2020: ARGLO_EXCOMP05/06/2020: ARGHS_DOC05/06/2020: ARGHS_HZ_ING05/06/2020: ARCA_COMP05/06/2020: ARCA_SEC1505/06/2020: ARGLO_REG
<b>Version #:</b>	1.2
<b>Further Information:</b>	No data available.
<b>Revision Information:</b>	Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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