

# SAFETY DATA SHEET

Classified in accordance with 29 CFR 1910.1200

## 1. Identification

**Product identifier:** SURFYNOL PSA-336

**Chemical name:**

Blend of ethoxylated acetylene diol and dioctyl sodium sulfosuccinate in solvent

**Other means of identification**

None.

**Recommended restrictions**

**Recommended use:** Industrial use

**Restrictions on use:** None known.

**Manufacturer/Importer/Distributor Information**

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Nutrition & Care  
PO Box 34628  
Richmond, VA 23234  
USA

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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)

## 2. Hazard(s) identification

**Hazard Classification**

**Health Hazards**

Skin Corrosion/Irritation Category 2

Serious Eye Damage/Eye Irritation Category 1

Skin sensitizer Category 1

**Environmental Hazards**

Acute hazards to the aquatic environment Category 2

Chronic hazards to the aquatic environment Category 3

**Label Elements**

**Hazard Symbol:**



**Signal Word:** Danger

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

**Precautionary Statements**

**Prevention:** Wash thoroughly after handling. 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:**

Blend of ethoxylated acetylene diol and dioctyl sodium sulfosuccinate in solvent

**Mixtures**

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt		577-11-7	25 - <50%
Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol		9014-85-1	25 - <50%

\* 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

<b>General information:</b>	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. Consult a doctor in the event of permanent skin irritation.
<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>	Repeated and/or prolonged exposure to low concentrations of vapors and/or aerosols may cause: Sore throat.
<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

**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

<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

<b>Technical measures (e.g. Local and general ventilation):</b>	No data available.
<b>Safe handling advice:</b>	Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid contact with skin and eyes. Do not inhale gases/vapours/aerosols.
<b>Contact avoidance measures:</b>	No data available.
<b>Hygiene measures:</b>	Wash hands before breaks and immediately after handling the product. Do not eat, drink or smoke when working. Remove soiled or soaked clothing immediately.

### Storage

<b>Safe storage conditions:</b>	Keep container tightly closed in a cool, well-ventilated place. Protect from frost. Do not store together with oxidizing agents.
<b>Safe packaging materials:</b>	No data available.
<b>Storage Temperature:</b>	No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

None of the components have assigned exposure limits.

<b>Appropriate Engineering Controls</b>	No data available.
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#### Individual protection measures, such as personal protective equipment

<b>Eye/face protection:</b>	Tightly fitting safety goggles
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#### Skin Protection

<b>Hand Protection:</b>	Additional Information: gloves made of chloroprene (CR, e.g. Neoprene), gloves made of nitril (NBR)
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<b>Skin and Body Protection:</b>	protective clothing
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**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.

## 9. Physical and chemical properties

### Appearance

<b>Physical state:</b>	liquid
<b>Form:</b>	liquid
<b>Color:</b>	Pale yellow
<b>Odor:</b>	Characteristic
<b>Odor Threshold:</b>	not measured
<b>pH:</b>	not measured
<b>Freezing point:</b>	not measured
<b>Boiling Point:</b>	89 °C
<b>Flash Point:</b>	> 230 °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>	12.7 hPa (21 °C)
<b>Vapor density (air=1):</b>	not measured
<b>Density:</b>	1.05 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

**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.

Product name: SURFYNOL PSA-336

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<b>Conditions to avoid:</b>	Freezing.
<b>Incompatible Materials:</b>	Oxidizing agent
<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.
<b>Ingestion:</b>	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:** LD 50 (Rat): > 2,000 mg/kg

##### Dermal

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

##### Inhalation

**Product:** No data available.  
ATEmix : 15.83 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.

**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:**

Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt	Ames test (OECD 471): negative Chromosomal aberration (OECD 473): ambiguous gene mutation test (OECD 476): negative
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:**

Butanedioic acid, sulfo-,  
1,4-bis(2-ethylhexyl)

ester, sodium salt

Ethoxylated 2,4,7,9-

tetramethyl 5 decyn-4,7-

diol

**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**



Product name: SURFYNOL PSA-336

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****Chemical Identity**Butanedioic acid, sulfo-,  
1,4-bis(2-ethylhexyl)  
ester, sodium salt  
Ethoxylated 2,4,7,9-  
tetramethyl 5 decyn-4,7-  
diol**OSHA hazard(s)**

Irritant

**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**

Skin Corrosion or Irritation, 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**

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>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:** 05/12/2020

**Version #:** 1.1

**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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