

#### Section 1. Identification

Revision Date: 08/07/2024

**Product Identifier OP-9 Surfactant** 

**Product Identity** OP-9 Surfactant

Other Means of Octylphenoxy poly(ethyleneoxy)ethanol, branched

Identification Octylphenyl-polyethylene glycol

Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Surfactant.

**Details of the Supplier of the Safety Data Sheet** 

**Company Name** Silver Fern Chemical, Inc.

2226 Queen Anne Avenue North

Seattle, WA 98109 USA

Customer Service: 1-866-282-3384 /

info@silverfernchemical.com

Website - www.silverfernchemical.com

**Emergency** 

24-hour Emergency

Emergency telephone number

Telephone No. Infotrac: 1-800-535-5053; Outside USA & Canada +1-

352-323-3500

**Customer Service:** 

#### Section 2. Hazard(s) Identification

Classification of the Substance or Mixture Under OSHA's Hazard Communication **Standard (1910.1200) Revised 2024 (GHS Revision 7)** 

Acute toxicity(oral), category 4; H302 Harmful if swallowed. Skin corrosion/irritation category 2; H315 Causes skin irritation.

Serious eye damage / eye irritation, category Causes serious eye damage.

1: H318

Aquatic toxicity (acute), category 1; H400 Very toxic to aquatic life.

Aquatic toxicity (chronic), category 1; H410 Very toxic to aquatic life with long lasting

effects.



# Label Elements







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# **Danger**

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

#### [Prevention]

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P280 Wear protective gloves, eye protection, and face protection.

#### [Response]

P301+312 IF SWALLOWED: Call a POISON CENTER, doctor or physician if you feel unwell.

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER, doctor or physician.

P312 Call a POISON CENTER, doctor or physician if you feel unwell.

P330 IF SWALLOWED: Rinse mouth.

P332+313 If skin irritation occurs: Get medical attention.

P362+364 Take off contaminated clothing and wash it before reuse.

P391 Collect spillage.



# [Storage]

No GHS storage statements

#### [Disposal]

P501 Dispose of contents or container in accordance with local and national regulations.

#### Other Hazards

This product contains no PBT/vPvB chemicals.

9002-93-1	Poly (oxy-1,2-ethanediyl), alpha[4-(1,1,3,3-tetramethylbutyl) phenyl] omegahydroxy-	Endocrine disruptor.
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# Section 3. Composition/Information on Ingredients

This product contains the following substances that present a hazard within the meaning of the OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7).

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Poly (oxy-1,2-ethanediyl), alpha[4-(1,1,3,3-tetramethylbutyl) phenyl] omegahydroxy- CAS Number: 9002-93-1 Synonyms: Polyoxyethylene mono(octylphenyl)ether (Alt CAS 9036-19-5)		Acute toxicity(oral), category 4; H302 Skin corrosion/irritation category 2; H315 Serious eye damage / eye irritation, category 1; H318 Aquatic toxicity (acute), category 1; H400 Aquatic toxicity (chronic), category 1: H410	No data available.

The actual concentration or concentration range is withheld as a trade secret.

#### **Section 4. First Aid Measures**

# **Description of First Aid Measures**

**General** In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

**Inhalation**Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

<sup>\*</sup>PBT/vPvB - PBT-substance or vPvB-substance.

The full texts of the phrases are shown in Section 16.



**Eyes** Rinse with plenty of clean water for at least 15 minutes, holding the eyelids

apart and seek medical attention.

**Skin** Remove contaminated clothing. Wash skin thoroughly with soap and water

or use a recognized skin cleanser.

**Ingestion** If swallowed obtain immediate medical attention. Keep at rest. Do NOT

induce vomiting.

# Most Important Symptoms and Effects, Both Acute and Delayed

**Overview** No specific symptom data available.

Treat symptomatically. See section 2 for further details.

**Eyes** Causes serious eye damage.

**Skin** Causes skin irritation. **Ingestion** Harmful if swallowed.

### **Section 5. Fire-Fighting Measures**

**Suitable Extinguishing Media:** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

**Unsuitable Extinguishing Media:** Do not use water jet as an extinguisher, as this will spread the fire.

**Special Hazards Arising from the Chemical:** During fire, gases hazardous to health may be formed.

**Hazardous Decomposition:** No hazardous decomposition data available.

**Special Protective Equipment and Precautions for Fire-Fighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire Fighting Equipment/Instructions:** Move containers from fire area if you can do so without risk.

**Specific Methods:** Use standard firefighting procedures and consider the hazards of other involved materials.



**General Fire Hazards:** No unusual fire or explosion hazards noted. **ERG Guide No.** 

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#### Section 6. Accidental Release Measures

### Personal Precautions, Protective Equipment and Emergency Procedures

Put on appropriate personal protective equipment (see section 8). Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

#### **Environmental Precautions**

Do not allow spills to enter drains or waterways.

#### Methods and Material for Containment and Cleaning Up

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.

## Section 7. Handling and Storage

# **Precautions for Safe Handling:**

Do not taste or swallow. Avoid contact with eyes. Avoid contact with skin. Avoid contact with clothing. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Do not empty into drains. Observe good industrial hygiene practices.

#### Conditions for Safe Storage, Including any Incompatibilities:

Store in original tightly closed container.

#### Specific End Use(s)

No available information.



# **Section 8. Exposure Controls / Personal Protection**

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#### **Control Parameters**

#### **Exposure**

CAS No.	Ingredient	Source	Value
9002-93-1	Poly (oxy-1,2-ethanediyl), alpha[4-(1,1,3,3-tetramethylbutyl) phenyl] omega	OSHA	No established limit.
	hydroxy-	<b>ACGIH</b>	No established limit.
		NIOSH	No established limit.

Exposure Controls

**Respiratory** If workers are exposed to concentrations above the exposure limit they

must use the appropriate, certified respirators.

**Eyes** Wear safety glasses with side shields to protect the eyes. An eye wash

station is suggested as a good workplace practice.

**Skin** Avoid skin contact. Wear PVC or rubber gloves to keep skin contact to a

minimum. Refer to the manufacturer's recommendations regarding the

suitability of any gloves used.

**Engineering** Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general

be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable

respiratory protection must be worn.

Other Work Use good personal hygiene practices. Wash hands before eating,

**Practices** drinking, smoking or using toilet. Promptly remove soiled clothing and

wash thoroughly before reuse.

See section 2 for further details.

# **Section 9. Physical and Chemical Properties**

#### **Information on Basic Physical and Chemical Properties**

**Appearance** Clear to slightly hazy.



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Physical StateLiquid.FormLiquid.

ColorNo available information.OdorNo available information.

Melting Point/Freezing Point 41 °F (5 °C) Initial Boiling Point and Boiling Range 212 °F (100 °C)

Flammability (Solid, Gas) No available information.

Upper/Lower Flammability or Explosive Lower Explosive Limit: No available

**Limits** information.

Upper Explosive Limit: No available

information.

Flash Point > 201.0 °F (> 93.9 °C) Pensky - Martens

Closed Cup.

Auto-Ignition Temperature

Decomposition Temperature

pH

Viscosity (cSt)

No available information.
No available information.
5.5 - 9 (5% in water)
270 cP @ 25 °C

**Solubility in Water**Partition Coefficient N-Octanol/Water
No available information.
No available information.

(Log K<sub>ow</sub>)

Vapor Pressure (Pa) No available information.

**Density** 8.90 lb./gal

**Vapor Density**No available information.

Evaporation Rate (Ether = 1) No available information.

Oxidising Properties No available information.

Explosive Properties No available information.

#### Other Information

No other relevant information.

#### Section 10. Stability and Reactivity

#### Reactivity:

The product is stable and non-reactive under normal conditions of use, storage and transport.

### **Chemical Stability:**

Material is stable under normal conditions.

#### Possibility of Hazardous Reactions:

No dangerous reaction known under conditions of normal use.

#### **Conditions to Avoid:**



Avoid temperatures exceeding the flash point. Contact with incompatible materials.

# **Incompatible Materials:**

Strong oxidizing agents.

# **Hazardous Decomposition Products:**

Irritating and/or toxic fumes and gases may be emitted upon the products decomposition.

# **Section 11. Toxicological Information**

# **Acute Toxicity**

**Note:** When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Poly (oxy-1,2-ethanediyl), alpha[4-(1,1,3,3-tetramethylbutyl) phenyl] omegahydroxy (9002-93-1)	No data	No data	No data	No data	No data
	available.	available.	available.	available.	available.

### **Carcinogen Data**

CAS No.	Ingredient	Source	Value
9002-93-1	Poly (oxy-1,2-ethanediyl), alpha[4-(1,1,3,3-tetramethylbutyl)	OSHA	Regulated Carcinogen: No;
	phenyl] omegahydroxy-	NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b:
			No; Group 3: No;
		ACGIH	No established limit.

Classification	Category	Hazard Description
Acute Toxicity (Oral)	4	Harmful if swallowed.
Acute Toxicity (Dermal)		Not applicable.
Acute Toxicity (Inhalation)		Not applicable.
Skin Corrosion/Irritation	2	Causes skin irritation.
Serious Eye Damage/Irritation	1	Causes serious eye damage.
Respiratory Sensitization		Not applicable.
Skin Sensitization		Not applicable.
Germ Cell Mutagenicity		Not applicable.
Carcinogenicity		Not applicable.
Reproductive Toxicity		Not applicable.



STOT-Single Exposure	 Not applicable.
STOT-Repeated Exposure	 Not applicable.
Aspiration Hazard	 Not applicable.

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# Possible routes of entry:

#### Symptoms and Effects, Both Acute and Delayed:

No specific symptom data available.

Treat symptomatically.

**Eyes** Causes serious eye damage.

**Skin** Causes skin irritation. **Ingestion** Harmful if swallowed.

# Section 12. Ecological Information

### **Toxicity**

Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects.

No additional information provided for this product. See Section 3 for chemical specific data.

# **Aquatic Ecotoxicity**

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L
Poly (oxy-1,2-ethanediyl), alpha[4-(1,1,3,3-tetramethylbutyl) phenyl] omegahydroxy (9002-93-1)		No data available.	No data available.

# **Persistence and Degradability**

There is no data available on the preparation itself.

#### **Bioaccumulative Potential**

No available information.

#### **Mobility in Soil**

No available information.

#### Results of PBT and vPvB Assessment

This product contains no PBT/vPvB chemicals.

#### **Other Adverse Effects**

No available information.



# **Section 13. Disposal Considerations**

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#### **Waste Treatment Methods**

Observe all federal, provincial and local regulations when disposing of this substance.

# **Section 14. Transport Information**

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
UN Number UN Proper Shipping Name	Not Regulated	UN3082 Environmentally hazardous substances, liquid, n.o.s. (CHEMICAL NAME)	UN3082 Environmentally hazardous substances, liquid, n.o.s. (CHEMICAL NAME)
Transport	DOT Hazard Class:		Air Class: 9
Hazard Class(es)	Not applicable <b>Sub Class:</b> Not applicable.	<b>Sub Class:</b> Not applicable.	<b>Sub Class:</b> Not applicable.
Packing Group	Not applicable	III	III

#### **Environmental Hazards**

Marine Pollutant: Yes; (Poly (oxy-1,2-ethanediyl), alpha. -[4-(1,1,3,3-tetramethylbutyl) phenyl]-. omega. -hydroxy-)

# **Special Precautions for User**

No available information.

#### **Section 15. Regulatory Information**

**Regulatory** The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Classification of the substance or mixture under OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7)



# **Toxic Substance Control Act (TSCA)**

CAS Number	Ingredient	Toxic Substance Control Act (TSCA)	Comments	Status
0009002-93-1	Poly (oxy-1,2-ethanediyl), alpha[4-(1,1,3,3-tetramethylbutyl)	Yes	ΧU	ACTIVE
	phenyl] omegahydroxy-			

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### The Following Flags are Used:

- •Active indicates commercial status designation of active
- •E indicates a substance that is the subject of a Section 5(e) Consent Order under TSCA.
- •F indicates a substance that is the subject of a Section 5(f) Rule under TSCA.
- •N indicates a polymeric substance containing no free-radical initiator in its Inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.
- •P indicates a commenced Premanufacture Notice (PMN) substance.
- •R indicates a substance that is the subject of a Section 6 risk management rule under TSCA.
- •S indicates a substance that is identified in a final Significant New Uses Rule.
- •SP indicates a substance that is identified in a proposed Significant New Uses Rule.
- •T indicates a substance that is the subject of a final Section 4 test rule under TSCA.
- •UVCB Chemical Substances of Unknown or Variable Composition, Complex Reaction Products and Biological Materials •XU indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
- •Y1 indicates a polymer that has a number-average molecular weight greater than 1,000 and that was exempt under the 1984 polymer exemption rule.
- •Y2 indicates a polymer that is a polyester and that was exempt under the 1984 polymer exemption rule.

# **Proposition 65 - Carcinogens (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

#### **Proposition 65 - Developmental Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

#### **Proposition 65 - Female Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.



# **Proposition 65 - Male Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

#### **Proposition 65 Label Warning:**

This product contains no chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## Mass RTK Substances (>1%):

#### **New Jersey RTK Substances (>1%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

#### Pennsylvania RTK Substances (>1%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

# OSHA Process Safety Management Standard Highly Hazardous Chemicals, Toxics and Reactives:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

# US EPA List of Regulated Substances under the Risk Management Plan (RMP) Program:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

# US EPA Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) under the Minimum Risk Exemption:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

#### **U.S. - DEA List II or Essential Chemicals:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

#### U.S. - DEA - Exempt Chemical Mixtures - List 1 and 2:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.



# **US DHS Chemical Facility Anti-Terrorism Standards (CFATS):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

#### Section 16. Other Information

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#### **DISCLAIMER OF RESPONSIBILITY**

The information on this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume damage or expense arising out of or in any way responsibility and expressly disclaim liability for loss, connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS information may not be applicable.

## The full text of the phrases appearing in section 3 is:

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

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