

# SAFETY DATA SHEET

## 1. Identification

**Product name** ECOCOOL S SUPERSOL

**Other means of identification** No data available.

**Recommended use:** Metalworking fluid

**Restrictions on use:** Industrial use only

### Manufacturer/Importer/Supplier/Distributor Information

#### Manufacturer

Company Name: Fuchs Lubricants Co.  
Address: 17050 Lathrop Avenue  
Harvey, Illinois 60426  
Telephone: 708-333-8900  
Fax: 708-333-9180

Contact Person: EHS Department  
E-mail: sds@fuchsus.com

**Emergency telephone number:** 708-333-8900 (Bus. hrs) 800-255-3924 (24 hrs)

## 2. Hazard(s) identification

### Hazard Classification

#### Health Hazards

Skin sensitizer	Category 1
Toxic to reproduction	Effects on or via lactation

### Label Elements

#### Hazard Symbol:



**Signal Word:** Warning

**Hazard Statement:** May cause an allergic skin reaction.  
May cause harm to breast-fed children.

**Precautionary Statements**

**Prevention:** Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. Obtain special instructions before use. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact during pregnancy and while nursing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

**Response:** IF ON SKIN: Wash with plenty of water/soap If skin irritation or rash occurs: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention. Specific treatment (see in product SDS). 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.

**Other hazards which do not result in GHS classification:** None.

**Unknown toxicity - Health**

Acute toxicity, oral	19.34 %
Acute toxicity, dermal	23.04 %
Acute toxicity, inhalation, vapor	86.46 %
Acute toxicity, inhalation, dust or mist	97.95 %

### 3. Composition/information on ingredients

**Hazardous Component(s):**

Chemical name	CAS-No.	Concentration
Mineral oil	Confidential	50 - <100%
Chlorinated alkanes	Confidential	10 - <20%
Sulfonate	Confidential	5 - <10%
Fatty acids, tall-oil, ethoxylated	Confidential	1 - <5%
2-(2-Butoxyethoxy)ethanol	112-34-5	1 - <5%
Hexylene glycol	Confidential	1 - <5%
Chlorinated cresol	Confidential	1 - <5%

Specific chemical identities and/or exact percentages have been withheld as trade secrets.

### 4. First-aid measures

<b>Ingestion:</b>	Rinse mouth thoroughly. Call a POISON CENTER/doctor if you feel unwell. Do NOT induce vomiting.
<b>Inhalation:</b>	Move to fresh air. Call a POISON CENTER/doctor if you feel unwell.
<b>Skin Contact:</b>	Remove contaminated clothing and shoes. Wash contact areas with soap and water. If skin irritation occurs: Get medical advice/attention.
<b>Eye contact:</b>	Flush thoroughly with water. If irritation occurs, get medical assistance. Continue to rinse for at least 15 minutes.

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

**Symptoms:** No data available.

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

**Treatment:** Get medical attention if symptoms occur.

### **5. Fire-fighting measures**

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

#### **Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** Water spray, fog, CO2, dry chemical, or regular foam. Use fire-extinguishing media appropriate for surrounding materials.

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

**Specific hazards arising from the chemical:** Heat may cause the containers to explode. During fire, gases hazardous to health may be formed.

#### **Special protective equipment and precautions for firefighters**

**Special fire fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

### **6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

**Methods and material for containment and cleaning up:**

Absorb with sand or other inert absorbent. Stop the flow of material, if this is without risk.

**Environmental Precautions:**

Avoid release to the environment. Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.

## 7. Handling and storage

**Precautions for safe handling:**

End-users should follow industry best practices for handling and using this product.

Guidance may be found using the current version of ASTM Standard E1497-05: Standard Practice for Selection and Safe Use of Water-Miscible and Straight Oil Metal Removal Fluids Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact during pregnancy and while nursing. Obtain special instructions before use. Wash hands thoroughly after handling. Avoid contact with eyes, skin, and clothing.

**Conditions for safe storage, including any incompatibilities:**

Store in original tightly closed container. Avoid contact with oxidizing agents. Store away from incompatible materials.

## 8. Exposure controls/personal protection

### Exposure Limits

Chemical name	Type	Exposure Limit Values	Source
Mineral oil - Mist.	PEL	5 mg/m <sup>3</sup>	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
2-(2-Butoxyethoxy)ethanol - Inhalable fraction and vapor.	TWA	10 ppm	US. ACGIH Threshold Limit Values (03 2013)
Hexylene glycol - Vapor fraction	TWA	25 ppm	US. ACGIH Threshold Limit Values (03 2017)
Hexylene glycol - Aerosol, inhalable.	STEL	10 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values (03 2017)
Hexylene glycol - Vapor fraction	STEL	50 ppm	US. ACGIH Threshold Limit Values (03 2017)

**Protective Measures:**

Use personal protective equipment as required.

**Respiratory Protection:**

In case of inadequate ventilation use suitable respirator. Seek advice from supervisor on the company's respiratory protection standards.

**Eye Protection:**

Wear safety glasses with side shields (or goggles).

**Skin and Body Protection:**

Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

**Hygiene measures:**

Always observe good personal hygiene measures, such as washing after

handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

## 9. Physical and chemical properties

### Appearance

Physical state:	Liquid
Form:	No data available.
Color:	Green
Odor:	Characteristic
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	176.67 °C (350.01 °F)
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Upper/lower limit on flammability or explosive limits	
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	No data available.
Relative density:	0.99
Solubility(ies)	
Solubility in water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	> 22 mm <sup>2</sup> /s (40 °C)

### Other information

VOC:	16.2 % 93.11 g/l 46.56 g/l
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## 10. Stability and reactivity

Reactivity:	Not reactive during normal use.
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<b>Chemical Stability:</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	None under normal conditions.
<b>Conditions to avoid:</b>	Avoid heat or contamination.
<b>Incompatible Materials:</b>	No data available.
<b>Hazardous Decomposition Products:</b>	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Ingestion:</b>	May be ingested by accident. Ingestion may cause irritation and malaise. Harmful if swallowed.
<b>Inhalation:</b>	Inhalation is the primary route of exposure. In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes. May cause irritation to the respiratory system.
<b>Skin Contact:</b>	May cause an allergic skin reaction. Prolonged or repeated skin contact may cause drying, cracking, or irritation.
<b>Eye contact:</b>	Eye contact is possible and should be avoided.

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

<b>Ingestion:</b>	No data available.
<b>Inhalation:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.

### Information on toxicological effects

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

<b>Oral Product:</b>	ATEmix (): > 5000 mg/kg
<b>Dermal Product:</b>	Not classified for acute toxicity based on available data.
<b>Inhalation Product:</b>	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:** May cause an allergic skin reaction.

#### Carcinogenicity

**Product:** No data available.

#### IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

#### US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

#### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

#### Germ Cell Mutagenicity

##### In vitro

**Product:** No data available.

##### In vivo

**Product:** No data available.

#### Reproductive toxicity

**Product:** May cause harm to breastfed babies.

#### Specific Target Organ Toxicity - Single Exposure

**Product:** No data available.

#### Specific Target Organ Toxicity - Repeated Exposure

**Product:** No data available.

#### Aspiration Hazard

**Product:** No data available.

**Other effects:** No data available.

## 12. Ecological information

#### General information:

This product has not been evaluated for ecological toxicity or other environmental effects.

### 13. Disposal considerations

<b>Disposal instructions:</b>	Discharge, treatment, or disposal may be subject to national, state, or local laws. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. It is the responsibility of the product user or owner to determine at the time of disposal, which waste regulations must be applied.
<b>Contaminated Packaging:</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. Transport information

<b>DOT</b>	Not regulated.
<b>IMDG</b>	Not regulated.
<b>IATA</b>	Not regulated.

### 15. Regulatory information

#### US Federal Regulations

#### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

##### Hazard categories

Immediate (Acute) Health Hazards  
Delayed (Chronic) Health Hazard  
Respiratory or Skin Sensitization  
Reproductive toxicity

##### SARA 313 (TRI Reporting)

<u>Chemical Identity</u>	<u>Reporting threshold for other users</u>	<u>Reporting threshold for manufacturing and processing</u>
Glycol ether	10000 lbs	25000 lbs.

#### US State Regulations



**US. California Proposition 65**



WARNING: This product can expose you to chemicals including Diethanolamine, which is [are] known to the State of California to cause cancer.

For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

<b>16. Other information, including date of preparation or last revision</b>
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**Issue Date:** 06.09.2018

**Revision Date:** 03.08.2018

**Version #:** 1.5

**Further Information:** No data available.

**Disclaimer:** This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.