



**SPECIALIZED LUBRICANTS**

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**1. Substance/Product Identification**

**Product Name:** 511 Ultra Kool SS  
**Company/Address:** 102 Barton St  
Saint Louis, Missouri, 63104  
USA

**Synonyms:**

**Preparation/Revision Date:** February 17, 2011

**Product Use/Type:** Metalworking Fluid

**Emergency Phone Number:** +1 314 865-4105 (24-hour response number)  
+ 1 314 865-4100 (Business hours 8:30AM-5:00PM)  
1-800-325-9962 (US & Canada)

**Website:** [www.schaefferoil.com](http://www.schaefferoil.com)

**MSDS Number:** 511 Rev 1.1

**2. Hazards Identification**

**Appearance:** Amber color

**Odor:** Mild

**Principal Hazards:** Eye, skin and upper respiratory irritation

**Hazardous Materials Information System**

**(U.S.A)**

**Health:** 1

**Fire:** 0

**Reactivity:** 0

**National Fire Protection Agency System**

**(U.S.A.)**

**Health:** 1

**Fire:** 0

**Reactivity:** 0

See Section 11 for complete health hazard information

**Product Name: 511 Ultra Kool SS**

### **3. Composition and Information on Ingredients**

#### **Hazardous Ingredients**

<b>Ingredient Name</b>	<b>CAS No.</b>	<b>EU Number</b>	<b>Percentage (by wt.)</b>
Hydrotreated Naphthenic Oil	64742-52-5	265-155-0	5-10

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

**Eyes:** Immediately flush eyes with water for at least 15 minutes. Seek medical attention immediately

**Skin:** Remove contaminated clothing and wash before reuse. Wash skin with large amounts of soap and water. Seek medical attention if irritation or rash develops.

**Ingestion:** Do not induce vomiting. Do not administer anything by mouth to an unconscious person. If conscious offer water to drink. Seek medical attention immediately.

**Inhalation:** Remove victim to fresh air. If breathing becomes difficult administer oxygen if needed. If irritation, headache, nausea, or drowsiness occurs, remove to fresh air. Seek medical attention immediately if breathing becomes difficult or symptoms persist.

**Additional Information:** None

### **5. Fire Fighting Measures:**

**Flash Point:** N/A Aqueous Solution

**Extinguishing Media:** Residue will burn after water evaporates. Use dry chemical foam, carbon dioxide, or water-spray

**Firefighting Procedures:** As in any fire wear a self contained breathing apparatus pressure demand, MSHA/NIOSH (Approved or Equivalent) and full protective gear

**Unusual Fire & Explosion:** None expected

**Hazards:** None expected

### **6. Accidental Release Measures**

**Spill Procedures and Clean up methods:** Use absorbent materials to contain spill. Collect used absorbent material and discard as dictated by Federal, State and local laws and regulations. Keep out of sewers and watercourses

**Personal Precautions:** Wear appropriate personal protective equipment when cleaning up a spill

**Environmental Precautions:** None currently known

**Product Name: 511 Ultra Kool SS**

**7. Handling & Storage**

**Handling:** Avoid all contact of product with eyes and skin. Wash thoroughly after handling and before eating, smoking or using toilet facilities. Do not swallow or inhale vapors. Do not eat, drink or smoke in work areas.

**Storage:** Do not store product concentrate at elevated temperatures. Do not store near food or feed products. If product is frozen the stability can be compromised. Thaw completely and evaluate

**8. Exposure Controls and Personal Protection**

**Occupational Exposure Limits**

<b>Ingredient</b>	<b>OSHA TWA</b>	<b>OSHA STEL</b>	<b>ACGIH TWA</b>	<b>ACGIH STEL</b>
Hydrotreated Naphthenic Oil	5 mg/m <sup>3</sup>		5 mg/m <sup>3</sup>	

- (s)-Skin exposure
- (p) proposed limit
- (c) – Ceiling limit
- (l) Recommended exposure limit
- (u) supplier limit
- (N/E) – not established

**Other Exposure Limits**

**Engineering Controls:** In general normal shop ventilation is adequate. In instances when high mist levels occur or when machines are placed close together splash guards and/or mist collectors are recommended to avoid the possibility of respiratory irritation.

**Personal Protective Equipment**

**Gloves:** Impervious gloves such as latex or nitrile are highly recommended

**Protective Clothing:** Chemical impervious apron

**Eye Protection:** Chemical goggles or face shield

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**Respiratory Protection:** In applications containing time weighted exposures of 0.5 to 5 mg/m<sup>3</sup> it is recommended that inhalation can be reduced through improved ventilation or a mist collection process. In the event that these methods are not applicable it is recommended that the use of a air purifying half mask respirator, standard or disposable type equipped with any P or R series particulate filter. If continuous exposure exceeds 5 mg/m<sup>3</sup> it is highly recommended to use an air purifying respirator equipped with a hood or helmet and a HEPA filter. If persistent respiratory problems occur when mist levels are less than 0.5 mg/m<sup>3</sup> it is then the individual's responsibility to seek a recommendation from a qualified health care provider for personalized respiratory protection.

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

**Flash Point:** N/A Aqueous Solution

**Specific Gravity:** 1.007 +/-0.02

**Upper Flammable Limit (UEL):** Not determined

**Lower Flammable Limit (LEL):** Not determined

**Vapor Pressure:** Not determined

**Vapor Density (air =1):** Not determined

**Percent Volatile:** Nil

**Evaporation Rate:** Like water when concentrate is diluted

**pH:** 9.2 +/-0.5 (5% solution)

**Boiling Point:** 250° to 350°F/121° to 177°C

**Melting Point:** N/A

**Appearance:** Amber color

**Odor:** Mild

**Solubility in Water:** Completely soluble

***The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise specified***

### **10. Stability and Reactivity**

**Stability:** Stable under normal conditions

**Materials to Avoid:** Strong Acids, bases and oxidizers

**Polymerization:** None expected to occur

**Thermal Decomposition:** Not determined

**Conditions to Avoid:** Use as directed

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### **11. Toxicological Information:**

**Routes of Exposure:** Skin, eyes, ingestion and inhalation

**Target Organs:** Skin, eyes and upper respiratory tract

#### **Acute Exposure**

**Ingestion:** Not likely to be toxic. May cause irritation to the mouth, throat or stomach, nausea, diarrhea or vomiting. If ingested do not induce vomiting

**Eye Contact:** May cause severe irritation (tears, blurred vision and redness)

**Skin Contact:** Concentrate may cause skin to be irritated. Prolonged exposure of this material may cause moderate skin irritation. May cause drying and defatting of the skin. Skin irritation can also occur when diluted product becomes contaminated with certain oils, dissolved metals or when diluted mix ratio is too strong.

**Inhalation:** Concentrate will not produce vapors unless heated to temperatures above 300°F (149°C). Inhalation of diluted mix can occur in applications where high mist levels are generated can cause irritation of the upper respiratory tract. OSHA has set a Permissible Exposure Limit of 15 mg/m<sup>3</sup> for any airborne particulate as a nuisance level of exposure. NIOSH has set a Recommended Exposure Limit of 0.5 mg/m<sup>3</sup> for metalworking fluid mist.

**Dermal Sensitization:** Product is considered to be a dermal sensitizer

**Inhalation Sensitization:**

**Carcinogenicity:** Product does not contain any components listed by ACGIH, IRAC, NIOSH, NTP or OSHA

#### **Additional Toxicological Information:**

No data available to indicate the product or any of its components are present at greater than 0.1% are mutagenic, genotoxic or teatogenic.

### **12. Environmental and Ecological Information**

#### **Ecotoxicity**

This material is not expected to be harmful to aquatic life

**Environmental Fate:** Not known or expected under normal use

**Biodegradation:** Not established

**Bioaccumulation:** Not established

**Water Class Hazard (Germany):** WK/2

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### **13. Disposal Considerations**

**Waste Handling and Disposal:** This product in its neat state when discarded or disposed of is not a hazardous waste according to Federal Regulations 40CFR 261.4 (b)(4). Dispose of product in accordance with all applicable Federal, State and local laws and regulations. Under RCRA, it is the responsibility of the user of this product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Do not re-use empty containers.

### **14. Transport Information**

**US DOT Classification Non-Bulk:** Not regulated Non-Hazardous

**US DOT Classification Bulk:** Not Regulated Non-Hazardous

**IMDG Classification:** Not Regulated Non-Hazardous

**IATA/ICAO Classification:** Not Regulated Non-Hazardous

### **15. Regulatory Information**

#### **Hazard Symbols**



**Xi Irritant**

R36 – irritating to eyes R43 may cause sensitization by skin contact

#### **US Regulations**

**TSCA Inventory:** All of the components in this material are on the US TSCA Inventory or are exempt.

**State of California Proposition 65:** This product does not contain any of the chemicals that are listed on the State of California's Proposition 65 List as potential cancer causing agents or reproductive toxins

#### **US EPA SARA Title III and CERCLA Listings and Reportable Quantities**

This product does not contain greater than 1% of any chemical substance listed under the SARA Title III Section 313, CERCLA's 302/304 and 102(a) Lists

#### **US EPA Section 311/313 Classifications**

Not applicable

**Product Name: 511 Ultra Kool SS**

**US EPA Section 313 Chemicals**

None

**US Tariff Heading Number: 3403.99.0000**

**Schedule B Number: 3403.99.0000**

**Other Regulations:**

**Canada:** All of the ingredients of this product are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substance List

**Canadian WHMIS Classifications and Symbols:**

**EEC:** All components are in compliance with the EC Seventh Amendment Directive 92/32/EEC

**16. Other Information**

**For additional information call +1 314-865-4100 (outside the US and Canada) or 1-800-325-9962 inside the United States and Canada.**

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