

SAFETY DATA SHEET

Current Revision: 1, 10/20/2015	Prepared By: Ben Ward, Product Engineer
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I. IDENTIFICATION

EMERGENCY PHONE: <p style="text-align: center;">CHEMTREC- (800) 424-9300 CCN 19481</p>	Salem Fabrication Supplies 5901 Gun Club Road Winston-Salem, NC 27103 Information: (800) 234-1982
PRODUCT NAME: Salem Light Cutting Oil	
SYNONYMS: Base oil, hydraulic fluid	

Recommended Use:

Glass cutting oil

Restrictions:

N/A

II. HAZARD IDENTIFICATION

Classification (§1910.1200):

Irritant

Signal Word/Symbols:



Warning

PPE

B

Hazard Statement:

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May cause eye irritation
May cause skin irritation

Precautionary Statement:

Use in ventilated area
Wear appropriate protective equipment
Keep away from food
Keep away from children

Miscellaneous Hazards:

N/A

Unknown Acute Toxicity Statement:

N/A

III. COMPOSITION

CHEMICAL NAME:	COMMON NAMES:	CAS:	% BY WEIGHT:
2,6-Di-Tert-Butyl-P-Cresol		128-37-0	1
Naphthalenesulfonic acid, dinonyl-, Calcium salt		57855-77-3	1

*Information withheld as a trade secret

Classified Impurities and Additives:

N/A

IV. FIRST AID MEASURES

Inhalation:

Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea,

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or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

Skin Contact:

Wash contact areas with soap and water. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

Eye Contact:

Flush thoroughly with water. If irritation occurs, get medical assistance.

Ingestion:

First aid is normally not required. Seek medical attention if discomfort occurs.

Symptoms/Effects:

Irritation

Level Of Medical Attention Needed:

If symptoms persist or increase contact medical provider.

V. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

Unsuitable Extinguishing Media:

Streams of water.

Specific Hazards:

Pressurized mists may form a flammable mixture.

Special Protective Equipment:

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Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA).

VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Avoid contact with spilled material. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders.

Protective Equipment:

Wear appropriate gloves/safety glasses and protect potentially affected areas from exposure. Wear ventilator areas of low ventilation or high concentration.

Emergency Procedures:

N/A

Methods for Cleanup/Removal:

Land Spill: Stop leak if you can do it without risk. Recover by pumping or with suitable absorbent.

Water Spill: Stop leak if you can do it without risk. Confine the spill immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.

Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

VII. HANDLING AND STORAGE

Handling Precautions:

Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source). When the material is handled

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in bulk, an electrical spark could ignite any flammable vapors from liquids or residues that may be present (e.g., during switch-loading operations). Use proper bonding and/or ground procedures. However, bonding and grounds may not eliminate the hazard from static accumulation. Consult local applicable standards for guidance. Additional references include American Petroleum Institute 2003 (Protection Against Ignitions Arising out of Static, Lightning and Stray Currents) or National Fire Protection Agency 77 (Recommended Practice on Static Electricity) or CENELEC CLC/TR 50404 (Electrostatics - Code of practice for the avoidance of hazards due to static electricity).

Safe Storage Conditions:

The container choice, for example storage vessel, may effect static accumulation and dissipation. Do not store in open or unlabeled containers. Keep away from incompatible materials.

Incompatibilities:

N/A

VIII. EXPOSURE CONTROLS AND PROTECTIVE EQUIPMENT

OSHA PEL:	ACGIH TLV:	OTHER EXPOSURE LIMITS:
N/A	2,6-Di-Tert-Butyl-P-Cresol: 5mg/m ³	N/A

Appropriate Engineering Controls: Use with adequate ventilation **Personal**

Protective Measures:

Respiratory Protection: If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:

No special requirements under ordinary conditions of use and with adequate ventilation.

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For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapor warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

Eye Protection: If contact is likely, safety glasses with side shields are recommended.

Skin and Body Protection: Any specific clothing information provided is based on published literature or manufacturer data. The types of clothing to be considered for this material include:

No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

Specific 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 and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Brown liquid

Odor: Oil	Odor Threshold: N/A	Ph: N/A
Melting/Freezing Point: N/A	Boiling Point: > 316°C (600°F)	Boiling Range: N/A
Flash Point: >200°C (392°F)	Evaporation Rate: N/A	Flammability (Solid, Gas): N/A

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Upper/Lower Flammability/Explosive Limit: LEL 0.9, UEL 7.0	Vapor Pressure: <0.013 kPa	Vapor Density: >2
Relative Density: 0.876	Solubility (ies): Low	Partition Coefficient: NOctanol/Water: >3.5
Auto Ignition Temperature: N/A	Decomposition Temperature: N/A	Viscosity: 46 cSt (46 mm ² /sec) at 40 °C, 6.7 cSt (6.7 mm ² /sec) at 100°C

X. STABILITY AND REACTIVITY

Reactivity:

N/A

Chemical Stability:

Stable under normal conditions.

Possibility of Hazardous Reactions:

Hazardous polymerization will not occur.

Conditions to Avoid: Static Discharge, Shock, Vibrations, Etc.

Excessive heat and static discharge/build.

Incompatible Materials:

Strong oxidizers.

Hazardous Decomposition Products:

Does not decompose at ambient.

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XI. TOXICOLOGICAL INFORMATION

Possible Exposure Routes (Inhalation Etc.):

Eyes, skin, ingestion, inhalation.

Symptoms Related To Toxicological Characteristics:

Irritation

Delayed, Immediate, and Chronic Effects:

Irritation to eyes and skin

Numerical Toxicity Measurements:

2,6-Di-Tert-Butyl-P-Cresol Oral Lethality LD50 0.89 g/kg (Rat) **NTP/LARC/OSHA**

Known Carcinogen:

Not a known carcinogen

XII. ECOLOGICAL INFORMATION

Ecotoxicity:

Components are harmful to aquatic life, but only in high concentrations **Persistence**

and Degradability:

Inherent biodegradability expected **Bioaccumulative**

Potential:

Will bioaccumulate **Soil**

Mobility:

N/A

Other Adverse Effects:

Excessive buildup over time may cause harmful effects to environment, but standard use shows low capability of environmental harm

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XIII. DISPOSAL CONSIDERATIONS

Waste Residue and Disposal:

Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products. Protect the environment. Dispose of used oil at designated sites. Minimize skin contact. Do not mix used oils with solvents, brake fluids or coolants.

XIV. TRANSPORT INFORMATION

UN Number: None	UN Proper Shipping Name: None	Transport Hazard Class (es): None
Packing Group: None	Environmental Hazards: None	Transport in Bulk (Annex LI MARPOL 73/78 and IBC Code) N/A

Special Precautions:

None

Environmental/ Health/ Safety:

OSHA HAZARD COMMUNICATION STANDARD: This material is not considered hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200.

Listed or exempt from listing/notification on the following chemical inventories: AICS, DSL, ENCS, IECSC, KECI, PICCS, and TSCA

EPCRA SECTION 302: This material contains no extremely hazardous substances. **SARA (311/312) REPORTABLE HAZARD CATEGORIES:** None.

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XVI. OTHER INFORMATION

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Salem Fabrication Supplies. It relates only to the specific material designated herein, and does not relate to use in combination with any other material or in any process. Salem Fabrication Supplies assumes no legal responsibility for use of or reliance upon this information.

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