










SECTION 1 - IDENTIFICATION

<p>Manufacturer: Black Swan Mfg. Co. 4540 W. Thomas St. Chicago, IL 60651-3318 Tel.: 800-252-5796 Fax: 773-227-3705 Web Site : www.blackswanmfg.com E-mail : info@blackswanmfg.com</p>	<p>For any Transportation or Medical Chemical Emergencies call: INFOTRAC (800) 535-5053 OR (352) 323-3500 24 hours per day - 7 days a week</p>
<p>Product Name: Light Cutting Oil</p>	<p>Recommended Use: To lubricate and reduce heat generation in the process of threading metal pipes.</p>

SECTION 2 – HAZARD(S) IDENTIFICATION

<p>Labels</p>  <p>Irritant</p>	<p>NFPA</p> <table border="0"> <tr> <td data-bbox="389 735 535 840"> <p>HEALTH HAZARD 4 – Deadly 3 – Extreme Danger 2 – Hazardous 1 – Slight Hazardous 0 – Normal Material</p> </td> <td data-bbox="535 735 665 945" style="text-align: center;">  </td> <td data-bbox="665 735 803 861"> <p>FIRE HAZARD Flash Points 4 – Below 73°F 3 – Below 100°F 2 – Above 100°F, Not exceeding 200°F 1 – Above 200°F 0 – Will not burn</p> </td> </tr> <tr> <td data-bbox="389 871 535 997"> <p>SPECIFIC HAZARD Oxidizer OX Acid ACID Alkali ALK Corrosive COR Use NO WATER Radioactive</p> </td> <td data-bbox="535 871 665 997" style="text-align: center;">  </td> <td data-bbox="665 871 803 1018"> <p>REACTIVITY 4 – May detonate 3 – Shock and heat may detonate 2 – Violent chemical change 1 – Unstable if heated 0 – Stable</p> </td> </tr> </table>	<p>HEALTH HAZARD 4 – Deadly 3 – Extreme Danger 2 – Hazardous 1 – Slight Hazardous 0 – Normal Material</p>		<p>FIRE HAZARD Flash Points 4 – Below 73°F 3 – Below 100°F 2 – Above 100°F, Not exceeding 200°F 1 – Above 200°F 0 – Will not burn</p>	<p>SPECIFIC HAZARD Oxidizer OX Acid ACID Alkali ALK Corrosive COR Use NO WATER Radioactive</p>		<p>REACTIVITY 4 – May detonate 3 – Shock and heat may detonate 2 – Violent chemical change 1 – Unstable if heated 0 – Stable</p>	<p>GHS Classification</p> <table border="0"> <tr> <td data-bbox="820 745 1104 903"> <p>Health Acute Toxicity: Cat. 4 Skin Irritation: Cat. 2B Eye Irritation: Cat. 3 Skin Sensitization: NO</p> </td> <td data-bbox="1104 745 1567 903"> <p>Environmental Acute Aquatic Toxicity: Not Established Chronic Aquatic Toxicity: Not Established</p> </td> </tr> <tr> <td colspan="2" data-bbox="820 913 1567 997" style="text-align: center;"> <p>Physical None</p> </td> </tr> <tr> <td data-bbox="820 997 1104 1325"> <p>Hazardous Statements H303: May be harmful if swallowed H316: Causes mild skin irritation H320: Causes eye irritation</p> </td> <td data-bbox="1104 997 1567 1325"> <p>Precautionary Statements P102 : Keep out of reach of children P261: Avoid breathing dust/fume/gas/mist/vapors/spray P262: Do not get in eyes, on skin, or on clothing P264: Wash thoroughly after handling P270: Do not eat, drink or smoke when using this product P271: Use only outdoors or in a well-ventilated area P280/P284: Wear protective gloves/protective clothing/eye protection/face protection.</p> </td> </tr> </table>	<p>Health Acute Toxicity: Cat. 4 Skin Irritation: Cat. 2B Eye Irritation: Cat. 3 Skin Sensitization: NO</p>	<p>Environmental Acute Aquatic Toxicity: Not Established Chronic Aquatic Toxicity: Not Established</p>	<p>Physical None</p>		<p>Hazardous Statements H303: May be harmful if swallowed H316: Causes mild skin irritation H320: Causes eye irritation</p>	<p>Precautionary Statements P102 : Keep out of reach of children P261: Avoid breathing dust/fume/gas/mist/vapors/spray P262: Do not get in eyes, on skin, or on clothing P264: Wash thoroughly after handling P270: Do not eat, drink or smoke when using this product P271: Use only outdoors or in a well-ventilated area P280/P284: Wear protective gloves/protective clothing/eye protection/face protection.</p>
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SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemicals</u>	<u>CAS#</u>	<u>EINECS#</u>	<u>REACH Pre-registration Number</u>	<u>Approx %</u>
DISTILLATE PETROLEUM SOLVENT REFINED HEAVY PARAFFINIC OIL	64741-88-4	N/A	N/A	60-80%
SEVERELY TREATED HEAVY NAPHTHENIC PETROLEUM OIL	64742-52-5	N/A	N/A	10-20%
LIGHT SULFUR BLEND	PROPRIETARY	N/A	N/A	5-30%
CHLORINATED ALKANES CHAIN LENGTH 14-17	61788-76-9	N/A	N/A	1-5%

*Unlisted ingredients are not classified as hazardous according to OSHA 1910.1200.

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SECTION 4 – FIRST-AID MEASURES

Inhalation: Fresh air should alleviate any respiratory discomfort. If breathing difficulties develop or persist, get medical attention.
Skin: Wash exposed area with mild soap and water. Get medical attention if irritation develops or persists.
Eyes: Flush eyes with plenty of water for at least 15 to 20 minutes. Get medical attention if irritation persists.
Ingestion: DO NOT INDUCE VOMITING. Get immediate medical help.

SECTION 5 – FIRE-FIGHTING MEASURES

Fire Hazard: Directly spraying extinguishing media onto hot burning products may cause frothing and spreading of fire.
Combustion Products: None.
Extinguishing Media: Foam, Carbon Dioxide, Sand or Sodium Bicarbonate.
Unsuitable Extinguishing Media: None known.
Protective Equipment: Wear a self-contained breathing apparatus & protective clothing.
Special Fire Fighting Procedures: If near fire, use cold water to cool container and prevent rupture. Water in a straight hose stream may cause fire to spread and should be used as a cooling medium only.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Minimize skin contact.
Protective Equipment: None.
Emergency Procedures: None.
Environmental Precautions: Keep product away from sewers, watercourse or extensive land areas.
Methods for Cleaning Up: Contain spill and transfer to suitable containers or soak up in absorbent medium. Finally, flush areas with cold water. If spill enters sewer, notify authorities.

SECTION 7 – HANDLING AND STORAGE

<u>Handling</u>	<u>Storage</u>
Keep out of reach of children. Keep container closed when not in use.	Protect from freezing temperatures. Avoid heating above 120°F for prolonged periods of time. Incompatible Materials: Strong oxidizing agents.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Hazardous Chemicals</u>	<u>Exposure Limits</u>		
	<u>ACGIH-TLV</u>	<u>ACGIH-STEL</u>	<u>OSHA-PEL</u>
SEVERELY TREATED HEAVY NAPHTHENIC PETROLEUM OIL	5mg/m ³	N/A	5 mg/m ³
DISTILLATE PETROLEUM SOLVENT REFINED HEAVY PARAFFINIC OIL	5mg/m ³	N/A	5 mg/m ³

Engineering Controls: A source of running water to flush or wash the eyes and skin in case of contact. Use local exhaust as needed. Workers should wash exposed skin several times daily with soap and water. Soiled work clothing should be laundered or dry cleaned.
Ventilation: Local exhaust adequate.
Personal Protective Equipment – Respiratory: None. **Skin:** Chemical resistant gloves. Impervious apron. **Eyes:** Splash goggles/Face shield.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Appearance: Yellow	Flash Point: 350°F	Vapor Pressure: Not Established
Odor: Bland	Specific Gravity: <1	Flammability: Not Established
pH: Not Established	Solubility (H2O): Insoluble	Flammability Limits: LEL – Not Established
Melting Point: Not Established	Evaporation Rate: Not Established	UEL – Not Established
Freezing Point: Not Established	Vapor Density: >1	
Boiling Point: >500°F	VOC: 0 g/l	

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SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Conditions to avoid: None.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: Thermal-carbon monoxide and/or carbon dioxide when after content has evaporated and residue is exposed to excessive heat.

SECTION 11 – TOXICOLOGICAL INFORMATION

<u>Hazardous Chemicals</u>	<u>Toxicity</u> <u>LD₅₀</u>	<u>LC₅₀</u>
SEVERELY TREATED HEAVY NAPHTHENIC PETROLEUM OIL	Oral: >5000 mg/kg (rat) Dermal: >2000 mg/kg (rabbit)	2180 mg/m ³ 4 hours (rat)
Likely Routes of Exposure: Skin Contact and Eye Contact.		
Symptoms and Effect – Inhalation: Moderate respiratory discomfort and/or headaches. Toxic system effects from inhalation are expected to be minor. Skin Contact: May cause skin irritation and inflammation. Eye Contact: No significant effects beyond minor irritation are expected. Ingestion: May result in nausea or stomach discomfort.		
Long-Term Effect: Skin irritation from long-term or repeated skin exposure may cause development of dermatitis.		
Pre-Existing Conditions: None known.		

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: None known.

Persistence & Degradability: None known.

Bioaccumulative Potential: None known.

Mobility in soil: In normal use, emission of Volatile Organic Compounds (VOC's) to the air takes place, typically at a rate of 0 g/l.

SECTION 13 – DISPOSAL CONSIDERATION

Dispose of product or container in accordance with federal, state or local regulations.

SECTION 14 – TRANSPORTATION INFORMATION

D.O.T. (U.S.): Not Regulated.

SECTION 15 – REGULATORY INFORMATION

Precautionary Label Information: None.

Risk Phrases: None.

Safety Phrases: S2-Keep out of reach of children.

SECTION 16 – OTHER INFORMATION

Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act and shall not be used for any other purpose. Black Swan Mfg. Co. urges the customers receiving this Material Safety Data Sheet to study it carefully to become aware of the hazards, if any, of the product involved. In the interest of safety, you should notify your employees, agents and contractors of the information on the sheets.

DATE:01/01/2023