



# BLACK SWAN MFG. CO.

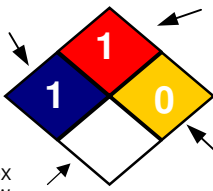
## MATERIAL SAFETY DATA SHEET



### SECTION 1 - IDENTIFICATION

<b>Manufacturer:</b> Black Swan Manufacturing Co. 4540 W. Thomas Street Chicago, IL 60651-3318 Telephone: 1-800-252-5796 Fax: 1-773-227-3705 Web Site: <a href="http://www.blackswanmfg.com">www.blackswanmfg.com</a> E-mail: <a href="mailto:info@blackswanmfg.com">info@blackswanmfg.com</a>	<b>For any transportation or medical chemical emergencies call:</b>  <p style="text-align: center;"><b>INFOTRAC</b></p> <p style="text-align: center;">(800) 535-5053 <u>OR</u> (352) 323-3500</p> <p style="text-align: center;">24 hours per day - 7 days a week</p>
<b>Product Name:</b>  <p style="text-align: center;"><b>Light Cutting Oil</b></p>	<b>Recommended Use:</b>  <p style="text-align: center;">To lubricate and reduce heat generation in the process of threading metal pipes.</p>

### SECTION 2 - HAZARD(S) IDENTIFICATION

<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;"><b>NFPA</b></p> <p><b>HEALTH HAZARD</b>            4 Deadly            3 Extreme Danger            2 Hazardous            1 Slightly Hazardous            0 Normal Material</p> <p><b>SPECIFIC HAZARD</b>            Oxidizer OX            Use NO WATER -W            Simple Asphyxiant SA</p> </div> <div style="width: 45%;"> <p><b>FIRE HAZARD</b> Flash Points            4 Below 73°F (Boiling pt. below 100°F)            3 Below 73°F (Boiling pt. at/above 100°F) and/or at/above 73°F - not exceeding 100°F            2 Above 100°F, Not exceeding 200°F            1 Above 200°F            0 Will not burn</p> <p><b>INSTABILITY</b>            4 May detonate            3 Shock and heat may detonate            2 Violent chemical changes            1 Unstable if heated            0 Stable</p> </div> </div> 		<p style="text-align: center;"><b>HMIS</b></p> <table border="1" style="width: 100%;"> <tr> <td style="background-color: #000080; color: white; padding: 2px;"><b>HEALTH</b></td> <td style="text-align: center; padding: 2px;"><b>1</b></td> </tr> <tr> <td style="background-color: #FF0000; color: white; padding: 2px;"><b>FLAMMABILITY</b></td> <td style="text-align: center; padding: 2px;"><b>1</b></td> </tr> <tr> <td style="background-color: #FFD700; padding: 2px;"><b>REACTIVITY</b></td> <td style="text-align: center; padding: 2px;"><b>0</b></td> </tr> </table> <p style="text-align: center; margin-top: 10px;">PPE <span style="border: 1px solid black; padding: 2px;">C</span></p> <p style="margin-top: 10px;">0 Minimal Hazard        1 Slight Hazard        2 Moderate Hazard        3 Serious Hazard        4 Severe Hazard</p>	<b>HEALTH</b>	<b>1</b>	<b>FLAMMABILITY</b>	<b>1</b>	<b>REACTIVITY</b>	<b>0</b>
<b>HEALTH</b>	<b>1</b>							
<b>FLAMMABILITY</b>	<b>1</b>							
<b>REACTIVITY</b>	<b>0</b>							
<p style="text-align: center;"><b>Health</b></p> <p>Acute Toxicity: N/A          Skin Corrosion: N/A          Eye Irritation: N/A          Skin Sensitization: NO</p>	<p style="text-align: center;"><b>Environmental</b></p> <p>Acute Toxicity: N/A          Chronic Toxicity: N/A</p>	<p style="text-align: center;"><b>Physical</b></p> <p>Flammability: N/A          Other: N/A</p>						
<p style="text-align: center;"><b>Hazardous Statements</b></p> <p style="text-align: center;">None.</p>	<p style="text-align: center;"><b>Precautionary Statement</b></p> <p>Keep out of reach of children.          Do not allow to be taken internally.          Avoid contact with eyes and skin.          Avoid breathing vapors, mist or fumes.</p>							

### SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

This product is not classified as hazardous according to OSHA 1910.1200.

### SECTION 4 - FIRST-AID MEASURES

<b>Inhalation:</b>	Fresh air should alleviate any respiratory discomfort. If breathing difficulties develop or persist, get medical attention.
<b>Skin:</b>	Wash exposed area with mild soap and water. Get medical attention if irritation develops or persists.
<b>Eyes:</b>	Flush eyes with plenty of water for at least 15 to 20 minutes. Get medical attention if irritation persists.
<b>Ingestion:</b>	DO NOT INDUCE VOMITING. Danger from aspirating into lungs exceeds short term toxic effect. Get immediate medical attention.

# MATERIAL SAFETY DATA SHEET

## SECTION 5 - FIRE-FIGHTING MEASURES

<u>Extinguishing Media</u>		<u>Specific Hazards</u>	<u>Protective Equipment</u>
<u>Suitable</u>	<u>Unsuitable</u>	None.	Self-contained breathing apparatus {(SCBA), MSHA/NIOSH}. Full protective gear.
Carbon Dioxide	-----		
Foam Mist			
Water			
<b><u>Special Firefighting Procedures</u></b>			
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

<b>Personal Precautions:</b>	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.
<b>Protective Equipment:</b>	None.
<b>Emergency Procedures:</b>	None.
<b>Environmental Precautions:</b>	Avoid runoff into storm sewers, ditches, and waterways. Dike area to contain spill.
<b>Methods for Cleaning-Up:</b>	Contain spill and transfer to suitable containers or soak up in absorbent medium. Finally, flush areas with cold water.
<b>Other Precautions:</b>	None.

## SECTION 7 - HANDLING AND STORAGE

<u>Handling</u>	<u>Storage</u>
Avoid prolonged or repeated contact with skin and/or breathing of vapors when handling. Wash thoroughly before meals and at end of work periods.	Store in a cool, dry, well ventilated area away from excessive heat, sparks and open flames. Keep containers closed when not in use. Do not store with oxidizing agents. Avoid heating above 120°F for prolonged periods of time.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>OSHA Exposure Limits</u>			
This product is not classified as hazardous according to OSHA 1910.1200.			
<u>Personal Protective Equipment</u>			
<b>Respiratory Protection:</b>	Use NIOSH/MSHA approved respirators when vapors or mist concentrations exceed permissible exposure limits.		
<b>Ventilation:</b>	None.		
<b>Other Protective Equipment:</b>	<u>Protective Gloves</u>	<u>Eyes and Face Protection</u>	<u>Other Protective Equipment</u>
	Chemical Resistant Gloves.	Splash Goggles/Face Shield.	Impervious Apron.
<b>Other Precautions:</b>	None.		
<u>Engineering Controls</u>			
Eyewash and safety shower station.			

# MATERIAL SAFETY DATA SHEET

## SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance:</b> Yellow <b>Odor:</b> Bland <b>Odor Threshold:</b> N/A <b>pH:</b> N/A <b>Melting/Freezing Point:</b> N/A <b>Boiling Point:</b> >500 °F <b>Boiling Range:</b> N/A <b>Flash Point:</b> 300 °F <b>Evaporation Rate:</b> N/A <b>Flammability:</b> N/A	<b>Volatile by Volume:</b> N/A <b>Vapor Pressure:</b> N/A <b>Vapor Density:</b> >1 <b>Relative Density:</b> N/A <b>Solubility:</b> Negligible <b>Partition Coefficient: n-octanol/water:</b> N/A <b>Auto-ignition Temperature:</b> N/A <b>Specific Gravity (H2O=1):</b> <1 <b>Viscosity:</b> N/A <b>VOC:</b> 0 g/l
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## SECTION 10 - STABILITY AND REACTIVITY

<b><u>Stability</u></b>	<b><u>Hazardous Polymerization</u></b>	<b><u>Conditions To Avoid</u></b>
Stable      Unstable	May Occur      Will Not Occur	None.
<input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/>	
<b><u>Incompatible Materials</u></b>		<b><u>Hazardous Decomposition Products</u></b>
Strong oxidizing agents.		Thermal-carbon monoxide and/or carbon dioxide when after content have evaporated and residue is exposed to excessive heat.

## SECTION 11 - TOXICOLOGICAL INFORMATION

<b><u>Likely Routes of Exposure</u></b>	<b><u>Symptoms/Effects</u></b>
Inhalation <input checked="" type="checkbox"/> Skin Contact <input type="checkbox"/> Eye Contact <input type="checkbox"/> Ingestion <input checked="" type="checkbox"/>	Moderate respiratory discomfort and/or headaches. Toxic system effects from inhalation are expected to be minor. May cause irritation and inflammation. No significant effects beyond minor irritation are expected. Do not induce vomiting. Danger from aspirating into lungs exceeds short term toxic effects. Get immediate medical help.
<b>Long-Term Effects:</b>	Skin irritation from long-term or repeated skin exposure may cause development of dermatitis.
<b><u>Toxicity</u></b>	
This product is not classified as hazardous according to OSHA 1910.1200.	

## SECTION 12 - ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	None.
<b>Persistence &amp; Degradability:</b>	None.
<b>Bioaccumulative Potential:</b>	None.
<b>Mobility in Soil:</b>	None.
<b>Other Adverse Effects:</b>	None.

# MATERIAL SAFETY DATA SHEET

## SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state, and local regulations.

## SECTION 14 - TRANSPORTATION INFORMATION

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

## SECTION 15 - REGULATORY INFORMATION

None.

## SECTION 16 - OTHER INFORMATION

**Disclaimer:**

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 Manufacturing 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.

**Revision Date:**

JULY 2010