




**SECTION 1 - IDENTIFICATION**

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

**SECTION 2 – HAZARD(S) IDENTIFICATION**

|  |  |  |  |   |  |   |  |  |
|--|--|--|--|---|--|---|--|--|
| <p><b>Labels</b><br/><br/> <br/> <b>Irritant</b></p>  | <p><b>NFPA</b><br/><br/> <b>HEALTH HAZARD</b><br/>         4 – Deadly<br/>         3 – Extreme Danger<br/>         2 – Hazardous<br/>         1 – Slight Hazardous<br/>         0 – Normal Material</p> <p><b>FIRE HAZARD</b><br/>         Flash Points<br/>         4 – Below 73°F<br/>         3 – Below 100°F<br/>         2 – Above 100°F, Not exceeding 200°F<br/>         1 – Above 200°F<br/>         0 – Will not burn</p> | <p><b>GHS Classification</b></p> <table border="0"> <tr> <td data-bbox="820 751 1096 892"> <p><b>Health</b><br/>           Acute Toxicity: Category 4<br/>           Skin Irritation: Category 3<br/>           Eye Irritation: Category 2b<br/>           Skin Sensitization: NO</p> </td> <td data-bbox="1096 751 1572 892"> <p><b>Environmental</b><br/>           Acute Aquatic Toxicity: Not Established<br/>           Chronic Aquatic Toxicity: Not Established</p> </td> </tr> <tr> <td colspan="2" data-bbox="820 913 1572 997"> <p><b>Physical</b><br/>           None</p> </td> </tr> </table>  | <p><b>Health</b><br/>           Acute Toxicity: Category 4<br/>           Skin Irritation: Category 3<br/>           Eye Irritation: Category 2b<br/>           Skin Sensitization: NO</p> | <p><b>Environmental</b><br/>           Acute Aquatic Toxicity: Not Established<br/>           Chronic Aquatic Toxicity: Not Established</p> | <p><b>Physical</b><br/>           None</p> |   |  |  |
| <p><b>Health</b><br/>           Acute Toxicity: Category 4<br/>           Skin Irritation: Category 3<br/>           Eye Irritation: Category 2b<br/>           Skin Sensitization: NO</p> | <p><b>Environmental</b><br/>           Acute Aquatic Toxicity: Not Established<br/>           Chronic Aquatic Toxicity: Not Established</p>  |  |  |   |  |   |  |  |
| <p><b>Physical</b><br/>           None</p>   |  |  |  |   |  |   |  |  |
| <p><b>Signal Word</b><br/> <b>Warning</b></p>  | <p><b>SPECIFIC HAZARD</b><br/>         Oxidizer OX<br/>         Acid ACID<br/>         Alkali ALK<br/>         Corrosive COR<br/>         Use NO WATER<br/>         Radioactive</p>  | <p><b>Hazardous Statements</b></p> <p>H303: May be harmful if swallowed<br/>         H316: Causes mild skin irritation<br/>         H320: Causes eye irritation</p> <p><b>Precautionary Statements</b></p> <p>P102: Keep out of reach of children<br/>         P261: Avoid breathing dust/fume/gas/mist/vapors/spray<br/>         P262: Do not get in eyes, on skin, or on clothing<br/>         P264: Wash thoroughly after handling<br/>         P270: Do not eat, drink or smoke when using this product<br/>         P271: Use only outdoors or in a well-ventilated area<br/>         P280: Wear protective gloves/protective clothing/eye protection/face protection</p> |  |   |  |   |  |  |
| <p><b>HMIS</b></p> <table border="1"> <tr> <td>HEALTH</td> <td>1</td> </tr> <tr> <td>FLAMMABILITY</td> <td>1</td> </tr> <tr> <td>REACTIVITY</td> <td>0</td> </tr> </table>                 | HEALTH   | 1  | FLAMMABILITY   | 1   | REACTIVITY                                 | 0 | <p><b>REACTIVITY</b><br/>         4 – May detonate<br/>         3 – Shock and heat may detonate<br/>         2 – Violent chemical change<br/>         1 – Unstable if heated<br/>         0 – Stable</p> |  |
| HEALTH   | 1  |  |  |   |  |   |  |  |
| FLAMMABILITY   | 1  |  |  |   |  |   |  |  |
| REACTIVITY   | 0  |  |  |   |  |   |  |  |

**SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS**

| Chemicals   | CAS#        | EINECS# | REACH Pre-registration Number | Approx % |
|---|-------------|---------|-------------------------------|----------|
| SEVERELY TREATED HEAVY NAPHTHENIC PETROLEUM OIL           | 64742-52-5  | N/A     | N/A                           | 40-80%   |
| DISTILLATE PETROLEUM SOLVENT REFINED HEAVY PARAFFINIC OIL | 64741-88-4  | N/A     | N/A                           | 5-10%    |
| DARK 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.

## GHS SAFETY DATA SHEET

### 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.

### 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. <b>Incompatible Materials:</b> 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<br>NAPHTHENIC PETROLEUM OIL           | 5mg/m <sup>3</sup>     | N/A               | 5 mg/m <sup>3</sup> |
| DISTILLATE PETROLEUM SOLVENT<br>REFINED HEAVY PARAFFINIC OIL | 5mg/m <sup>3</sup>     | N/A               | 5 mg/m <sup>3</sup> |

**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

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

# GHS SAFETY DATA SHEET

## 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><br><u>LD<sub>50</sub></u>               | <u>LC<sub>50</sub></u>               |
|--|---|--------------------------------------|
| SEVERELY TREATED HEAVY<br>NAPHTHENIC PETROLEUM OIL | Oral: >5000 mg/kg (rat)<br>Dermal: >2000 mg/kg (rabbit) | 2180 mg/m <sup>3</sup> 4 hours (rat) |

**Likely Routes of Exposure:** Skin Contact, Eye contact.

**Symptoms and Effect – Inhalation:** None. **Skin Contact:** May cause skin irritation and inflammation. Possible eye irritant. **Eye Contact:** May cause irritation. **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: 01/01/2017