










GHS SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

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	For any Transportation or Medical Chemical Emergencies call: <p style="text-align: center;">INFOTRAC</p> <p style="text-align: center;">(800) 535-5053 OR (352) 323-3500</p> <p style="text-align: center;">24 hours per day - 7 days a week</p>
Product Name: Penetrating & Cleaning Oil	Recommended Use: Used to release rusted and frozen metal parts.

SECTION 2 – HAZARD(S) IDENTIFICATION

<p>Labels</p>  <p>Flammable Health Hazard</p> <p>Signal Word Danger</p> <p>HMS</p> <table border="1"> <tr><td>HEALTH</td><td>2</td></tr> <tr><td>FLAMMABILITY</td><td>4</td></tr> <tr><td>REACTIVITY</td><td>1</td></tr> </table>	HEALTH	2	FLAMMABILITY	4	REACTIVITY	1	<p>NFPA</p> <table border="1"> <tr> <td> HEALTH HAZARD 4 – Deadly 3 – Extreme Danger 2 – Hazardous 1 – Slight Hazardous 0 – Normal Material </td> <td style="text-align: center;">  </td> <td> 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 </td> </tr> <tr> <td> SPECIFIC HAZARD Oxidizer OX Acid ACID Alkali ALK Corrosive COR Use NO WATER Radioactive </td> <td style="text-align: center;">  </td> <td> REACTIVITY 4 – May detonate 3 – Shock and heat may detonate 2 – Violent chemical change 1 – Unstable if heated 0 – Stable </td> </tr> </table>	HEALTH HAZARD 4 – Deadly 3 – Extreme Danger 2 – Hazardous 1 – Slight Hazardous 0 – Normal Material		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	SPECIFIC HAZARD Oxidizer OX Acid ACID Alkali ALK Corrosive COR Use NO WATER Radioactive		REACTIVITY 4 – May detonate 3 – Shock and heat may detonate 2 – Violent chemical change 1 – Unstable if heated 0 – Stable	<p>GHS Classification</p> <table border="1"> <tr> <td> Health Acute Toxicity: Not Established Skin Irritation: Cat. 2 Eye Irritation: Cat 2 Skin Sensitization: NO Carcinogenicity: Cat. 1B Germ Cell Mutagenicity: Cat. 1B Aspiration Toxicity: Cat. 1 </td> <td> Environmental Acute Aquatic Toxicity: Not Established Chronic Aquatic Toxicity: Not Established </td> </tr> <tr> <td colspan="2"> Physical Aerosol: Cat. 2 Gases Under Pressure </td> </tr> </table>	Health Acute Toxicity: Not Established Skin Irritation: Cat. 2 Eye Irritation: Cat 2 Skin Sensitization: NO Carcinogenicity: Cat. 1B Germ Cell Mutagenicity: Cat. 1B Aspiration Toxicity: Cat. 1	Environmental Acute Aquatic Toxicity: Not Established Chronic Aquatic Toxicity: Not Established	Physical Aerosol: Cat. 2 Gases Under Pressure	
HEALTH	2																	
FLAMMABILITY	4																	
REACTIVITY	1																	
HEALTH HAZARD 4 – Deadly 3 – Extreme Danger 2 – Hazardous 1 – Slight Hazardous 0 – Normal Material		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																
SPECIFIC HAZARD Oxidizer OX Acid ACID Alkali ALK Corrosive COR Use NO WATER Radioactive		REACTIVITY 4 – May detonate 3 – Shock and heat may detonate 2 – Violent chemical change 1 – Unstable if heated 0 – Stable																
Health Acute Toxicity: Not Established Skin Irritation: Cat. 2 Eye Irritation: Cat 2 Skin Sensitization: NO Carcinogenicity: Cat. 1B Germ Cell Mutagenicity: Cat. 1B Aspiration Toxicity: Cat. 1	Environmental Acute Aquatic Toxicity: Not Established Chronic Aquatic Toxicity: Not Established																	
Physical Aerosol: Cat. 2 Gases Under Pressure																		
<p>Hazardous Statements</p> <p>H223: Flammable aerosol H229: Pressurized container: may burst if heated H315: Causes skin irritation H319: Causes serious eye irritation H304: May be fatal if swallowed and enters airways H340: May cause genetic defects H350: May cause cancer</p>	<p>Precautionary Statements</p> <p>P101: If medical advice is needed, have product container or label at hand P102: Keep out of reach of children P103: Read label before use P210: Keep away from heat/sparks/open flames/hot surfaces - No smoking P211: Do not spray on an open flame or other ignition source P251: Pressurized container – Do not pierce or burn, even after use 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 P280: Wear protective gloves/protective clothing/eye protection/face protection</p>																	

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemicals	CAS#	EINECS#	REACH Pre-registration Number	Approx %
METHYL SOYATE	67784-80-9	267-055-2	N/A	40-70%
PARAFFINIC OIL BLEND	64741-88-4	265-090-8	N/A	10-30%
ALIPHATIC HYDROCARBON	8052-41-3	232-489-3	N/A	1-5%
CARBON DIOXIDE	124-38-9	204-696-9	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: Remove victim to fresh air and provide oxygen if breathing is difficult. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention immediately.

Skin: Wash with soap and water. Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse.

Eyes: If contact with eyes, immediately flush eyes with plenty of water for at least 15 minutes, while holding eyelids open. Get medical attention immediately.

Ingestion: If swallowed, wash out mouth with water provided the person is conscious. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

SECTION 5 – FIRE-FIGHTING MEASURES

Fire Hazard: Closed containers may rupture due to the buildup of pressure from extreme temperatures.

Combustion Products: Carbon Dioxide, Carbon Monoxide.

Extinguishing Media: Carbon Dioxide, Dry Chemical, Water spray.

Unsuitable Extinguishing Media: None known.

Protective Equipment: Self-contained breathing apparatus {(SCBA), MSHA/NIOSH}. Full protective gear.

Special Fire Fighting Procedures: Use water spray to cool containers exposed to heat or fire to prevent pressure build up. In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Maintain adequate ventilation.

Protective Equipment: None.

Emergency Procedures: Remove all sources of ignition and ventilate area.

Environmental Precautions: Avoid runoff into storm sewers, ditches and waterways.

Methods for Cleaning Up: Evacuate unprotected personnel from the area. Pickup spilled material using non-sparking tools and place in an appropriate container for disposal.

SECTION 7 – HANDLING AND STORAGE

Handling

Flammable aerosol, use in a well-ventilated area. Do not use near sources of ignition. Do not eat, drink and smoke while working with this material. Wash hands after every use.

Storage

Store out of direct sunlight. Store in temperatures between 32°F to 120°F (0°C to 49°C). **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>
METHYL SOYATE	N/A	N/A	N/A
PARAFFINIC OIL BLEND	N/A	N/A	N/A
ALIPHATIC HYDROCARBON	100 ppm	N/A	N/A
CARBON DIOXIDE	5000 ppm	30000ppm	5000ppm

Engineering Controls: A source of running water to flush or wash the eyes and skin in case of contact. Use local exhaust as needed. Keep away from sources of ignition. Take precautionary measures against static discharge.

Ventilation: Local ventilation is adequate.

Personal Protective Equipment – Respiratory: Use only in an adequately ventilated area. For unknown vapor concentrations use a positive-pressure, pressure-demand, self-contained breathing apparatus (SCBA).

Personal Protective Equipment – Skin: Wear the appropriate protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Personal Protective Equipment – Eyes: Eyes and face protection devices such as safety glasses, safety goggles or face shield are recommended.

GHS SAFETY DATA SHEET

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Appearance: Dark Amber	Flash Point: <0°F (-18°C)	Vapor Pressure: 70°F
Odor: Mild odor	Specific Gravity: 0.7	Flammability: Flammable gas
pH: Not Established	Solubility (H2O): Negligible	Flammability Limits: LEL – 0.7% UEL – 9.5%
Melting Point: Not Established	Evaporation Rate: Slower than n-Butyl Acetate	
Freezing Point: Not Established	Vapor Density: Not Established	
Boiling Point: Not Established	VOC: 529 g/l	

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Conditions to avoid: Heat and ignition sources.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

	<u>Toxicity</u>	
<u>Hazardous Chemicals</u>	<u>LD₅₀</u>	<u>LC₅₀</u>
METHYL SOYATE	N/A	N/A
PARAFFINIC OIL BLEND	N/A	N/A
ALIPHATIC HYDROCARBON	N/A	N/A
CARBON DIOXIDE	N/A	N/A

Likely Routes of Exposure: Inhalation, Skin Contact, Eye Contact and Ingestion.

Symptoms and Effect - Inhalation: Respiratory tract irritant. May cause dizziness, light-headedness and/or headaches. **Skin Contact:** Prolonged or repeated contact may cause irritation and dermatitis. **Eye Contact:** Painful with slight to moderate irritation. **Ingestion:** Not likely to be harmful in small amounts, but swallowing large amounts may be harmful.

Long-Term Effect: Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Repeated overexposure can also damage kidneys, lung, liver, heart and blood.

Pre-Existing Conditions: None know.

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 ≤ 529 g/l.

SECTION 13 – DISPOSAL CONSIDERATION

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

SECTION 14 – TRANSPORTATION INFORMATION

Shipping Information

Shipping Name: Aerosol, Flammable
Hazardous Class: 2.1
I.D. Number: UN1950
Packing Group: II
Label Required: Flammable Liquid
Marine Pollutant: No

Exception to the rule: If the package that contains the hazardous material is in a small consumer size (Less than 1L), then the rules that apply to shipping hazardous materials do not apply. This is called an "Exception".

This is classified as Limited Quantity.

SECTION 15 – REGULATORY INFORMATION

Precautionary Label Information: Flammable.

Risk Phrases: **R12**-Extremely flammable. **R45**-May cause cancer. **R46**-May cause heritable genetic damage. **R53**-May cause long-term adverse effects in the aquatic environment. **R65**-Harmful may cause lung damage if swallowed.

Safety Phrases: **S45**-In case of accident or if you feel unwell seek medical advice immediately (show the label where possible). **S53**-Avoid exposure-obtain special instructions before use.

GHS SAFETY DATA SHEET

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: 01/01/2021**