



BLACK SWAN MFG. CO.



MATERIAL SAFETY DATA SHEET



SECTION 1 - IDENTIFICATION

Manufacturer: Black Swan Manufacturing Co. 4540 W. Thomas Street Chicago, IL 60651-3318 Telephone: 1-800-252-5796 Fax: 1-773-227-3705 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 <u>OR</u> (352) 323-3500</p> <p style="text-align: center;">24 hours per day - 7 days a week</p>
Product Name: <p style="text-align: center;">Marking Paint - Safety Green</p>	Recommended Use: <p style="text-align: center;">Used in marking construction, excavation sites, underground utilities, landscaping, etc.</p>

SECTION 2 - HAZARD(S) IDENTIFICATION

<p style="text-align: center;">Label</p>  <p style="text-align: center;">Extremely Flammable</p>	<p style="text-align: center;">NFPA</p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="454 808 625 945"> <p>HEALTH HAZARD</p> <p>4 Deadly 3 Extreme Danger 2 Hazardous 1 Slightly Hazardous 0 Normal Material</p> </div> <div data-bbox="738 808 1079 976"> <p>FIRE HAZARD Flash Points</p> <p>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> </div> <div data-bbox="787 997 1031 1134"> <p>INSTABILITY</p> <p>4 May detonate 3 Shock and heat may detonate 2 Violent chemical changes 1 Unstable if heated 0 Stable</p> </div> </div> <div style="text-align: center; margin: 10px 0;">  </div> <div data-bbox="454 1050 625 1134"> <p>SPECIFIC HAZARD</p> <p>Oxidizer OX Use NO WATER W Simple Asphyxiant SA</p> </div>	<p style="text-align: center;">HMIS</p> <table border="1" style="width: 100%;"> <tr> <td style="background-color: #000080; color: white;">HEALTH</td> <td style="text-align: center; width: 40px;">1</td> <td>0 Minimal Hazard</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">FLAMMABILITY</td> <td style="text-align: center;">3</td> <td>1 Slight Hazard</td> </tr> <tr> <td style="background-color: #FFD700; color: black;">REACTIVITY</td> <td style="text-align: center;">3</td> <td>2 Moderate Hazard</td> </tr> <tr> <td></td> <td></td> <td>3 Serious Hazard</td> </tr> <tr> <td></td> <td></td> <td>4 Severe Hazard</td> </tr> </table> <p style="text-align: center; margin-top: 10px;"> PPE H </p>	HEALTH	1	0 Minimal Hazard	FLAMMABILITY	3	1 Slight Hazard	REACTIVITY	3	2 Moderate Hazard			3 Serious Hazard			4 Severe Hazard
HEALTH	1	0 Minimal Hazard															
FLAMMABILITY	3	1 Slight Hazard															
REACTIVITY	3	2 Moderate Hazard															
		3 Serious Hazard															
		4 Severe Hazard															
<p style="text-align: center;">Health</p> <p>Acute Toxicity: N/A Skin Corrosion: Cat. 2 Eye Irritation: Cat. 2B Skin Sensitization: NO</p>	<p style="text-align: center;">Environmental</p> <p>Acute Toxicity: N/A Chronic Toxicity: N/A</p>	<p style="text-align: center;">Physical</p> <p>Flammability: N/A Other: N/A</p>															
<p style="text-align: center;">Hazardous Statement</p> <p>Extremely flammable. Vapors harmful. Harmful or Fatal Has narcotizing effects. May cause permanent brain and nervous system damage.</p>	<p style="text-align: center;">Precautionary Statement</p> <p>Keep out of reach of children. Do not allow to be taken internally. Use only in a well ventilated area. Avoid breathing vapors. Keep away from heat, sparks, and open flame. Do not empty into drains.</p>																

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<u>Hazardous Chemicals</u>	<u>CAS #</u>	<u>EINECS#</u>	<u>Approx %</u>
SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPH	64742-89-8	265-192-2	19%
PROPANE	74-98-6	200-827-9	18%
BUTANE	106-97-8	203-448-7	10%
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	64742-47-8	265-149-8	5%

*Title III Section 313 Supplier Notification: This product contains toxic chemicals subject to the reporting requirement of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40CFR372. This information must be included in all MSDS's that are copied and distributed for this material.

MATERIAL SAFETY DATA SHEET

SECTION 4 - FIRST-AID MEASURES

General information: Symptoms of poisoning may even occur after several hours; therefore, medical observations for at least 48 hours after the accident.

Inhalation: Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult a physician if symptoms persists.
In case of unconsciousness place patient in side position for transportation.

Skin: Remove contaminated clothing and shoes. Wash skin with plenty of soap and water for at least 15 minutes.

Eyes: Rinse opened eyes for several minutes under running water. Consult a physician.

Ingestion: Consult a physician or Poison Control Center.

SECTION 5 - FIRE-FIGHTING MEASURES

<u>Extinguishing Media</u>		<u>Specific Hazards</u>	<u>Protective Equipment</u>
<u>Suitable</u>	<u>Unsuitable</u>	Extremely flammable liquid and vapor in a pressurized container. Can may burst when exposed to temperatures exceeding 120 °F.	Self-contained breathing apparatus {(SCBA), MSHA/NIOSH}. Full protective gear.
Carbon Dioxide			
Extinguishing Powder	-----		
Water Spray			
Sand			
Large Fires: Alcohol Resistant Foam or Water Spray			
<u>Special Firefighting Procedures</u>			
None.			

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Keep unprotected persons away.

Protective Equipment: Wear protective equipment.

Emergency Procedures: Ensure adequate ventilation.

Environmental Precautions: Do not allow product to reach sewage systems or ground water.

Methods for Cleaning-Up: Dispose contaminated material as waste according to Sec. 13. Ensure adequate ventilation.

Other Precautions: None.

SECTION 7 - HANDLING AND STORAGE

<u>Handling</u>	<u>Storage</u>
Ensure good ventilation/exhaustion at the workplace. Do not spray on a naked flame or any incandescent material. Do not smoke. Protect from electrostatic discharges. Do not pierce or burn can, even after use.	Observe pressurized container storage regulations. Consult with your local authorities. Keep ignition sources away. Protect from sunlight and do not expose to temperatures exceeding 120 °F.

MATERIAL SAFETY DATA SHEET

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

OSHA Exposure Limits

<u>Hazardous Components</u>	<u>ACGIH-TLV</u>	<u>OSHA-PEL</u>
SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPH	N/A	N/A
PROPANE	1000 ppm	1000 ppm
BUTANE	1000 ppm	N/A
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	N/A	N/A

Personal Protective Equipment

Respiratory Protection: A respirator is generally not necessary when using this product outdoors or in large open areas. In cases where short and/or long term overexposure exists, a charcoal filter respirator should be worn.

Ventilation: Local ventilation is adequate.

Other Protective Equipment:

<u>Protective Gloves</u>	<u>Eyes and Face Protection</u>	<u>Other Protective Equipment</u>
Impermeable Gloves.	Tightly Sealed Goggles.	None.

Other Precautions: None.

Engineering Controls

Wash hands after use.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

<p>Appearance: Aerosol (Green content)</p> <p>Odor: Aromatic</p> <p>Odor Threshold: N/A</p> <p>pH: N/A</p> <p>Melting/Freezing Point: N/A</p> <p>Boiling Point: -47°F</p> <p>Boiling Range: N/A</p> <p>Flash Point: -2°F</p> <p>Evaporation Rate: > 1.0</p> <p>Flammability: N/A</p> <p>Flammability Limits: LEL: 1.5% ; UEL: 10.9%</p>	<p>Volatile by Volume: N/A</p> <p>Vapor Pressure: 40 PSI, 2750 hPa</p> <p>Vapor Density: N/A</p> <p>Relative Density: 0.83 g/cm3</p> <p>Solubility: Not Miscible</p> <p>Partition Coefficient: n-octanol/water: N/A</p> <p>Auto-ignition Temperature: Not self-igniting</p> <p>Specific Gravity (H2O=1): 0.77 and 0.85</p> <p>Viscosity: N/A</p> <p>VOC: 532.5 g/l</p>
---	--

SECTION 10 - STABILITY AND REACTIVITY

<u>Stability</u>	<u>Hazardous Polymerization</u>	<u>Conditions To Avoid</u>
Stable Unstable <input checked="" type="checkbox"/> <input type="checkbox"/>	May Occur Will Not Occur <input type="checkbox"/> <input checked="" type="checkbox"/>	Do not allow the can to exceed 120°F. Stable at normal temperatures.
<u>Incompatible Materials</u>		<u>Hazardous Decomposition Products</u>
None.		No decomposition if used according to specifications.

MATERIAL SAFETY DATA SHEET

SECTION 11 - TOXICOLOGICAL INFORMATION

<u>Likely Routes of Exposure</u>	<u>Symptoms/Effects</u>
Inhalation <input checked="" type="checkbox"/>	Intentional misuse may be harmful or fatal.
Skin Contact <input type="checkbox"/>	None.
Eye Contact <input type="checkbox"/>	None.
Ingestion <input type="checkbox"/>	None.

Long-Term Effects: May cause permanent brain and nervous system damage if overexposed. Repeated overexposure can also damage kidneys, lungs, liver, heart, and blood.

Pre-Existing Conditions: None.

<u>Hazardous Components</u>	<u>Toxicity</u>	<u>LD50</u>	<u>LC50</u>
SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPH		N/A	N/A
PROPANE		N/A	N/A
BUTANE		N/A	N/A
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT		N/A	N/A

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	Aquatic Toxicity - Hazardous for water, do not empty into drains.
Persistence & Degradability:	None.
Bioaccumulative Potential:	None.
Mobility in Soil:	None.
Other Adverse Effects:	None.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state and local regulations. Do not puncture, incinerate, or compact. Partially empty cans must be disposed of responsibly. Do not heat or cut empty containers with electric or gas torches. Completely empty cans should be recycled.

SECTION 14 - TRANSPORTATION INFORMATION

<u>Shipping Information</u>		Exception to the rule: If the shipping carton that contains the hazardous material is less than 66 lbs., then the rules that apply to shipping hazardous materials do not apply. This is called an "Exception". This is classified as Consumer Commodity ORM-D.
Shipping Name:	Aerosol, Flammable	
Hazardous Class:	2.1	
I.D. Number:	UN1950	
Packing Group:	II	
Label Required:	Flammable Liquid	
Marine Pollutant:	No.	

SECTION 15 - REGULATORY INFORMATION

None.

SECTION 16 - OTHER INFORMATION

Disclaimer:	Revision Date:	JULY 2010
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.		