



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: INFOTRAC (800) 535-5053 OR (352) 323-3500 24 hours per day - 7 days a week
Product Name: Marking Paint – Safety Green	Recommended Use: Used in marking construction, excavation sites, underground utilities, landscaping, etc.

SECTION 2 – HAZARD(S) IDENTIFICATION

Labels Flammable Gases Irritant Health Under Pressure Hazard	GHS Classification <table><tr><td>Health Acute Toxicity: Not Established Skin Irritation: Not Established Eye Irritation: Cat. 2A Skin Sensitization: NO Carcinogenicity: Cat. 2</td><td>Environmental Acute Aquatic Toxicity: Not Established Chronic Aquatic Toxicity: Not Established</td></tr></table>	Health Acute Toxicity: Not Established Skin Irritation: Not Established Eye Irritation: Cat. 2A Skin Sensitization: NO Carcinogenicity: Cat. 2	Environmental Acute Aquatic Toxicity: Not Established Chronic Aquatic Toxicity: Not Established				
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Signal Word Danger							
HMIS <table><tr><td>HEALTH</td><td>1</td></tr><tr><td>FLAMMABILITY</td><td>3</td></tr><tr><td>REACTIVITY</td><td>3</td></tr></table>	HEALTH	1	FLAMMABILITY	3	REACTIVITY	3	Physical Flammable Aerosol: Cat. 1 Gases Under Pressure
HEALTH	1						
FLAMMABILITY	3						
REACTIVITY	3						
Hazardous Statements H222: Extremely flammable aerosol H280: Contains gas under pressure; may explode if heated H319: Causes serious eye irritation H351: Suspected of causing cancer H373: May cause damage to organs through prolonged or repeated exposure	Precautionary Statements 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 P201: Obtain special instructions before use P202: Do not handle until all safety precautions have been read and understood 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 P264: Wash thoroughly after handling P280: Wear protective gloves/protective clothing/eye protection/face protection P281: Use personal protective equipment as required						

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemicals</u>	<u>CAS#</u>	<u>EINECS#</u>	<u>REACH</u> <u>Pre-registration Number</u>	<u>Approx %</u>
PROPANE	74-98-6	N/A	N/A	17.63%
VM&P NAPHTHA	64742-89-8	N/A	N/A	17.55%
CALCIUM CARBONATE	1317-65-3	N/A	N/A	15.19%
N-BUTANE	106-97-8	N/A	N/A	10.36%
MINERAL SPIRITS	64742-47-8	N/A	N/A	4.34%
TITANIUM DIOXIDE	13463-67-7	N/A	N/A	1%

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

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SECTION 4 – FIRST-AID MEASURES

Inhalation: Remove victim to fresh air. If irritation persists call physician.
Skin: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water.
Eyes: Flush with water for 15 minutes. Call a physician.
Ingestion: Rinse mouth. Do not induce vomiting.

SECTION 5 – FIRE-FIGHTING MEASURES

Fire Hazard: Extremely flammable liquid and vapor in a pressurized container.
Combustion Products: None known.
Extinguishing Media: Carbon Dioxide, Extinguishing Powder, or Water Spray.
Unsuitable Extinguishing Media: None known.
Protective Equipment: Self-contained breathing apparatus {(SCBA), MSHA/NIOSH}. Full protective gear.
Special Fire Fighting Procedures: Evacuate enclosed areas, stay upwind. Closed or confined quarters require self-contained breathing apparatus, positive pressure hose masks or airline masks. Can form explosive gas-air mixture.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Prevent contact with skin or eyes. Personnel cleaning up the spill should wear appropriate personal protective equipment, including respirators if vapor concentrations are high.
Protective Equipment: Wear suitable respiratory protective equipment.
Emergency Procedures: Remove all sources of ignition and ventilate area. Keep unprotected persons away.
Environmental Precautions: Avoid runoff into storm sewers, ditches and waterways.
Methods for Cleaning Up: Disposed contaminated material as waste according to Sec. 13. Ensure adequate ventilation.

SECTION 7 – HANDLING AND STORAGE

Handling

Avoid contact with eyes, skin and clothing. Avoid prolonged breathing of vapor and mist. Use only in well-ventilated areas. Wash thoroughly after handling. Do not eat, drink or smoke in the work area. Keep products away from heat, sparks, flames and all other sources of ignition. Keep containers closed when not in use. Do not spray on a naked flame or any incandescent material. Do not pierce or burn can, even after use.

Storage

Observe pressurized container storage regulations. Consult with your local authorities. Keep away from heat, sparks, open flame and other sources of ignition. Protect from sunlight and do not expose to temperatures exceeding 120°F. Do not store in subfreezing conditions. Store locked up. **Incompatible Materials:** None known.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

Hazardous Chemicals

ACGIH-TLV

ACGIH-STEL

OSHA-PEL

PROPANE

N/A

N/A

1800 mg/m³, 1 000 ppm

BUTANE

2370mg/m³, 1000 ppm

N/A

N/A

Engineering Controls: A source of running water to flush or wash the eyes and skin in case of contact. Use local exhaust as needed.

Ventilation: Local ventilation is adequate. Use only explosion proof ventilation equipment.

Personal Protective Equipment – Respiratory: 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.

Personal Protective Equipment – Skin: Impermeable gloves.

Personal Protective Equipment – Eyes: Tightly sealed goggles.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Appearance: Aerosol (Green content)

Odor: Aromatic

pH: Not Established

Melting Point: Not Established

Freezing Point: Not Established

Boiling Point: -47°F

Flash Point:

-2°F

Specific Gravity:

0.77 and 0.85

Solubility (H₂O):

Not Miscible

Evaporation Rate:

> 1.0

Vapor Density:

Not Established

VOC:

531.2 g/l

Vapor Pressure: 40 PSI, 2750 hPa

Flammability: Extremely Flammable

Flammability Limits: LEL – 1.5%

UEL – 10.9%

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SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Conditions to avoid: Keep away from heat, sparks, open flame and other sources of ignition. Do not allow to exceed 120°F.

Incompatible materials: None known.

Hazardous decomposition products: No decomposition if used according to specifications.

SECTION 11 – TOXICOLOGICAL INFORMATION

<u>Hazardous Chemicals</u>	<u>Toxicity</u>	
	<u>LD₅₀</u>	<u>LC₅₀</u>
BUTANE	N/A	Inhalation: 658 mg/l (rat) 4 hours
TITANIUM DIOXIDE	Oral:>20000 mg/kg (rat) Dermal:> 10000 mg/kg (rabbit)	Inhalation: >6.82 mg/l (rat) 4 hours
Likely Routes of Exposure: Inhalation. Symptoms and Effect - Inhalation: Intentional misuse may be harmful or fatal. Skin Contact: None known. Eye Contact: None known. Ingestion: None known. Long-Term Effect: 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 know.		

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: Aquatic Toxicity – Hazardous to water, do not empty into drains.

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 ≤533.7 g/l.

SECTION 13 – DISPOSAL CONSIDERATION

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

SECTION 14 – TRANSPORTATION INFORMATION

<u>Shipping Information</u>		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.
Shipping Name:	Aerosol, Flammable	
Hazardous Class:	2.1	
I.D. Number:	UN1950	
Packing Group:	--	
Label Required:	Warning: Gases	
Marine Pollutant:	No	
ADR:	1950 Aerosols	
EMS Number:	F-D, S-U	
UN “Model Regulation”:	UN1950, Aerosols, 2.1	

SECTION 15 – REGULATORY INFORMATION

Precautionary Label Information: Flammable, Health Hazard

Risk Phrases: R11- Highly Flammable. R67-Vapors may cause drowsiness and dizziness.

Safety Phrases: S2-Keep out of reach of children. S9-Keep container in a well-ventilated place. S16-Keep away from sources of ignition-No smoking. S25-Avoid contact with eyes. S26-In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S33-Take precautionary measures against static discharges.

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: 01/01/2025