



BLACK SWAN MFG. CO.



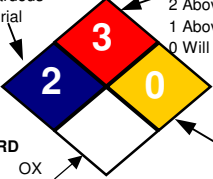
MATERIAL SAFETY DATA SHEET



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;">Purple Primer</p>	Recommended Use: <p style="text-align: center;">Used to soften and prepare all PVC and CPVC pipe and fittings.</p>

SECTION 2 - HAZARD(S) IDENTIFICATION

<p>Label</p>  <p>Flammable</p>  <p>Irritant</p>	<p>NFPA</p> <p>HEALTH HAZARD 4 Deadly 3 Extreme Danger 2 Hazardous 1 Slightly Hazardous 0 Normal Material</p> <p>FIRE HAZARD 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>INSTABILITY 4 May detonate 3 Shock and heat may detonate 2 Violent chemical changes 1 Unstable if heated 0 Stable</p> <p>SPECIFIC HAZARD Oxidizer OX Use NO WATER W- Simple Asphyxiant SA</p> 	<p>HMS</p> <p>HEALTH 2 FLAMMABILITY 3 REACTIVITY 0</p> <p>0 Minimal Hazard 1 Slight Hazard 2 Moderate Hazard 3 Serious Hazard 4 Severe Hazard</p> <p>PPE H</p>
<p>Health</p> <p>Acute Toxicity: Cat. 4 Skin Corrosion: Cat. 3 Eye Irritation: Cat. 2B Skin Sensitization: NO</p>	<p>Environmental</p> <p>Acute Toxicity: N/A Chronic Toxicity: N/A</p>	<p>Physical</p> <p>Flammability: Cat. 2 Other: N/A</p>
<p>Hazardous Statement</p> <p>Extremely flammable. Vapors harmful. Harmful if swallowed. May irritate skin and eyes. Vapors may ignite explosively.</p>	<p>Precautionary Statement</p> <p>Avoid contact with skin and eyes. Keep out of reach of children. Do not allow to be taken internally. Keep away from heat, spark, open flame, other sources of ignition. Use only in a well ventilated area. Avoid breathing vapors.</p>	

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Chemicals	CAS #	EINECS#	Approx %
TETRAHYDROFURAN	109-99-9	203-726-8	15-25%
METHYL ETHYL KETONE	78-93-3	201-159-0	15-25%
CYCLOHEXANONE	108-94-1	203-631-1	10-30%
ACETONE	67-64-1	200-662-2	25-40%

*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.

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SECTION 4 - FIRST-AID MEASURES

Inhalation: If overcome by vapors, remove to fresh air and if breathing stopped, give artificial respiration. If breathing is difficult give oxygen. Call a physician.

Skin: Remove contaminated clothing and shoes. Wash skin with plenty of soap and water for at least 15 minutes. If irritation develops, get medical attention.

Eyes: Flush eyes with plenty of water for 15 minutes and call a physician.

Ingestion: Give 1 or 2 glasses of water or milk to dilute. **Do not induce vomiting.** Call a physician or poison control center immediately.

SECTION 5 - FIRE-FIGHTING MEASURES

<u>Extinguishing Media</u>		<u>Specific Hazards</u>	<u>Protective Equipment</u>
<u>Suitable</u> Dry Chemical Powder Carbon Dioxide Gas Foam, Halon Water Fog	<u>Unsuitable</u> Water Spray Water Stream	Fire hazard because of low flash point and high volatility. Vapors are heavier than air and may travel to sources of ignition.	Self-contained breathing apparatus {(SCBA), MSHA/NIOSH}. Full protective gear.

Special Firefighting Procedures

Evacuate enclosed areas, stay upwind. Close or confine quarters required self-contained breathing apparatus, positive pressure hose masks or airline masks. Use water spray to cool containers, to flush spills from source of ignition and to disperse vapors.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.

Protective Equipment: Wear suitable respiratory protective equipment.

Emergency Procedures: Remove all sources of ignition and ventilate area. For leaks, stop leak if it can be done safely.

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

Methods for Cleaning-Up: Clean up with sand or other absorbent material. Transfer to covered, labeled, metal container.

Other Precautions: **DO NOT** use aluminum or plastic containers.

SECTION 7 - HANDLING AND STORAGE

<u>Handling</u>	<u>Storage</u>
Avoid prolonged breathing of vapor. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Train employees on all special handling procedures before they work this product. Keep away from ignition sources, use only electrically grounded handling equipment and adequate ventilation/fume exhaust hoods. DO NOT eat, drink or smoke while handling.	Store in a ventilated room or shade below 110°F. Keep away from heat, sparks, open flame and other sources of ignition. Keep away from direct sunlight. Keep away from incompatible materials: Caustics, Ammonia, Inorganic Acids, Chlorinated Compounds, Strong Oxidizers and Isocyanates.

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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

OSHA Exposure Limits

Hazardous Components

TETRAHYDROFURAN
METHYL ETHYL KETONE
CYCLOHEXANONE
ACETONE

ACGIH-TLV

50ppm
200ppm
20ppm
500ppm

OSHA-PEL

200ppm
200ppm
50ppm
1000ppm

Personal Protective Equipment

Respiratory Protection: Atmospheric levels should be maintained below established exposure limits. If airborne concentrations exceed those limits, use of a NIOSH approved organic vapor cartridge respirator with full face-piece is recommended. The effectiveness of an air purifying respirator is limited. Use it only for a single short-term exposure. For emergency and other conditions where short term exposure guidelines may be exceeded, use an approved positive pressure self-contained breathing apparatus.

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

Other Protective Equipment:

<u>Protective Gloves</u>	<u>Eyes and Face Protection</u>	<u>Other Protective Equipment</u>
Butyl Rubber Gloves.	Splashproof Chemical Goggles OR Face Shield/Safety Glasses.	Impervious Apron.

Other Precautions: None.

Engineering Controls

A source of running water to flush or wash the eyes and skin in case of contact.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

<p>Appearance: Purple</p> <p>Odor: Ether-like</p> <p>Odor Threshold: 0.88 ppm</p> <p>pH: N/A</p> <p>Melting/Freezing Point: -163.3°F</p> <p>Boiling Point: 133°F</p> <p>Boiling Range: 133°F to 313°F</p> <p>Flash Point: -4°F</p> <p>Evaporation Rate: >1.0</p> <p>Flammability: N/A</p> <p>Flammability Limits: LEL: 1.1 % ; UEL: 12.8 %</p>	<p>Volatile by Volume: N/A</p> <p>Vapor Pressure: 190 mmHg @ 20 °C</p> <p>Vapor Density: >2.0</p> <p>Relative Density: N/A</p> <p>Solubility: Solvent:Complete; Resin Precipitates</p> <p>Partition Coefficient: n-octanol/water: N/A</p> <p>Auto-ignition Temperature: 610°F</p> <p>Specific Gravity (H2O=1): 0.842</p> <p>Viscosity: N/A</p> <p>VOC: 550 g/l</p>
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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"/>	Keep away from heat, sparks open flame and other sources of ignition.
<u>Incompatible Materials</u>		<u>Hazardous Decomposition Products</u>
Oxidizers, strong acids and bases, Amines and Ammonia.		None in normal use. When forced to burn this product gives off oxides of carbon and smoke.

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SECTION 11 - TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation	<input checked="" type="checkbox"/>
Skin Contact	<input checked="" type="checkbox"/>
Eye Contact	<input checked="" type="checkbox"/>
Ingestion	<input type="checkbox"/>

Symptoms/Effects

Severe overexposure may result in nausea, dizziness, headache. Can cause drowsiness, irritation of eyes and nasal passages.

Skin irritant. Liquid contact may remove natural skin oils resulting in irritation. Dermatitis may occur with prolonged contact.

Vapors slightly uncomfortable. Overexposure may result in severe eye injury with corneal or conjunctival inflammation on contact with the liquid.

May cause nausea, vomiting, diarrhea and mental sluggishness.

Long-Term Effects: None.

Pre-Existing Conditions: None.

Toxicity

Hazardous Components

TETRAHYDROFURAN
METHYL ETHYL KETONE
CYCLOHEXANONE
ACETONE

LD₅₀

Oral: 2842 mg/kg (rat)
Oral: 2737 mg/kg (rat) , Dermal:6480 mg/kg (rabbit)
Oral: 1535 mg/kg (rat) , Dermal 948 mg/kg (rabbit)
Oral: 5800 mg/kg (rat)

LC₅₀

Inhalation: 21,000 mg/m³ (rat)
Inhalation: 23,500 mg/m³ (rat)
Inhalation: 8,000 ppm (rat)
Inhalation: 50,100 mg/m³ (rat)

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: None.
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.

SECTION 14 - TRANSPORTATION INFORMATION

Shipping Information

Shipping Name: Adhesives, Containing
a Flammable Liquid

Hazardous Class: 3

I.D. Number: UN1133

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 Consumer Commodity ORM-D.

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