



SECTION 1 - IDENTIFICATION

Manufacturer: Black Swan Mfg. Co. 4540 W. Thomas St. Chicago, IL 60651-3318... For any Transportation or Medical Chemical Emergencies call: INFOTRAC (800) 535-5053 OR (352) 323-3500... Product Name: Iron Paste Recommended Use: Seals and repairs leaks in water pipes, gas lines, and steam or hot water radiators.

SECTION 2 - HAZARD(S) IDENTIFICATION

Labels: Health Hazard, Flammable. Signal Word: Danger. HMIS: HEALTH 2, FLAMMABILITY 3, REACTIVITY 0. NFPA: HEALTH HAZARD 3, FIRE HAZARD 3, REACTIVITY 0. GHS Classification: Health, Environmental, Physical. Hazardous Statements: H228: Flammable solid... Precautionary Statements: P102: Keep out of reach of children...

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Table with 5 columns: Chemicals, CAS#, EINECS#, REACH Pre-registration Number, Approx %. Rows: ETHYL ACETATE (141-78-6, 205-500-4, N/A, 20%), ISOPROPYL ALCOHOL (67-63-0, 200-661-7, N/A, 10%).

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

SECTION 4 - FIRST-AID MEASURES

Inhalation: Move into fresh air. If not breathing, give artificial respiration. Skin: Wash skin thoroughly with water. Eyes: Flush with water for 15 minutes. Ingestion: DO NOT INDUCE VOMITING. Contact physician immediately.

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SECTION 5 – FIRE-FIGHTING MEASURES

Fire Hazard: When exposed to heat and flame, this is a fire and explosion hazard.

Combustion Products: None.

Extinguishing Media: Carbon Dioxide, Dry Chemical, Water Stream (Fog).

Unsuitable Extinguishing Media: Water, Foam.

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

Special Fire Fighting Procedures: When burning, this material produces toxic degradation products including CO₂, and oxides of nitrogen.

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 protective gloves and eye goggles. Wear synthetic apron or standard long sleeved work apparel and a vapor respirator.

Emergency Procedures: Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.

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

Methods for Cleaning Up: Confine spilled material. Scrape or sweep up residue and place in container. Do not incinerate.

SECTION 7 – HANDLING AND STORAGE

Handling

Avoid contact with eyes, skin and clothing. Avoid breathing vapors. 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.

Storage

Store in a cool, dry, well-ventilated area away from incompatible materials. Keep container closed when not in use. Keep away from heat, sparks, open flame and other sources of ignition. **Incompatible Materials:** Alkali contamination. Avoid strong oxidizing agents, strong acids, strong bases and amines.

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>
ETHYL ACETATE	400 ppm	N/A	N/A
ISOPROPYL ALCOHOL	500 ppm	N/A	400 ppm

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: Have a local exhaust and mechanical (general) exhaust.

Personal Protective Equipment – Respiratory: Self-contained breathing appropriate apparatus or all-purpose canister mask.

Personal Protective Equipment – Skin: Gloves. Apron or standard work clothes.

Personal Protective Equipment – Eyes: Goggles or Face Shield.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Appearance: Gray	Flash Point: 24°F	Vapor Pressure: 76@20°C
Odor: Sweet odor	Specific Gravity: Not Established	Flammability: Not Established
pH: 9.5 @ 5% solution	Solubility (H₂O): Insoluble	Flammability Limits: LEL – 2.0%
Melting Point: Not Established	Evaporation Rate: <1 (butyl acetate=1)	UEL – Not Established
Freezing Point: Not Established	Vapor Density: >1 (air=1)	
Boiling Point: 17°F	VOC: 20 g/l	

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Conditions to avoid: Flame and extreme heat. Sparks and sources of ignition.

Incompatible materials: Alkali contamination. Avoid strong oxidizing agents, strong acids, strong bases and amines.

Hazardous decomposition products: Combustion produces Carbon Dioxide and Carbon Monoxide.

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SECTION 11 – TOXICOLOGICAL INFORMATION

<u>Hazardous Chemicals</u>	<u>LD₅₀</u>	<u>LC₅₀</u>
ETHYL ACETATE	N/A	N/A
ISOPROPYL ALCOHOL	N/A	N/A

Likely Routes of Exposure: Inhalation, Skin Contact, Eye Contact and Ingestion.
Symptoms and Effect - Inhalation: Inhalation of vapors irritates the respiratory tract. Excess can cause drowsiness and headache, lethargy, nausea, difficulty walking. **Skin Contact:** May cause irritation. **Eye Contact:** Liquid may irritate eyes. Vapor can be irritating to eyes, nose and throat. **Ingestion:** Damage to nervous system, blood and kidneys, and cause drowsiness and headache lethargy, nausea, difficulty walking.
Long-Term Effect: Damage to nervous system, kidneys, drowsiness and headache, lethargy, nausea, difficulty walking; excess may cause damage to nervous system, blood and kidneys; vapors can be irritating to eyes, nose and throat; liquid may irritate eyes.
Pre-Existing Conditions: Individuals with pre-existing skin disorders, impaired liver, kidneys, pulmonary functions, can be susceptible to the effect of this product. Medical conditions aggravated by exposure – Drowsiness and headache; damage to nervous system, kidneys, and blood. Difficulty walking.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: None.
Persistence & Degradability: None.
Bioaccumulative Potential: None.
Mobility in soil: In normal use, emission of Volatile Organic Compounds (VOC's) to the air takes place, typically at a rate of ≤ 20 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		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:	Adhesives, Containing a Flammable Liquid	
Hazardous Class:	3	
I.D. Number:	UN1133	
Packing Group:	II	
Label Required:	Flammable Liquid	
Marine Pollutant:	No	

SECTION 15 – REGULATORY INFORMATION

Precautionary Label Information: Health Hazard, Flammable.
Risk Phrases: **R10**-Flammable. **R36/37**-Irritant to eyes and respiratory system. **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: 01/01/2021**