



SECTION 1 - IDENTIFICATION

<p>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</p>	<p>For any Transportation or Medical Chemical Emergencies call:</p> <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>
<p>Product Name: Roof-Proof</p>	<p>Recommended Use: Roof cement ideal for sealing flashings, vents, laps, etc.</p>

SECTION 2 – HAZARD(S) IDENTIFICATION

<p>Labels</p> <p>Signal Word Warning</p> <p>HMIS</p> <table border="1"> <tr><td>HEALTH</td><td>1</td></tr> <tr><td>FLAMMABILITY</td><td>2</td></tr> <tr><td>REACTIVITY</td><td>1</td></tr> </table>	HEALTH	1	FLAMMABILITY	2	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>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>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</td> <td>Environmental</td> </tr> <tr> <td>Acute Toxicity: Not Established</td> <td>Acute Aquatic Toxicity: Not Established</td> </tr> <tr> <td>Skin Irritation: Cat. 2</td> <td>Chronic Aquatic Toxicity: Not Established</td> </tr> <tr> <td>Eye Irritation: Cat. 2A</td> <td></td> </tr> <tr> <td>Skin Sensitization: NO</td> <td></td> </tr> </table> <p>Physical Flammability: Cat. 3</p>	Health	Environmental	Acute Toxicity: Not Established	Acute Aquatic Toxicity: Not Established	Skin Irritation: Cat. 2	Chronic Aquatic Toxicity: Not Established	Eye Irritation: Cat. 2A		Skin Sensitization: NO	
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<p>Hazardous Statements</p> <p>H226: Flammable liquid and vapor H304 & H305: May be harmful or fatal if swallowed and enters airways H316: Causes mild skin irritation H320: Causes eye irritation H332: Harmful if inhaled H335: May cause respiratory irritation</p>	<p>Precautionary Statements</p> <p>P102: Keep out of reach of children 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 P233: Keep container tightly closed P261: Avoid breathing dust/fumes/gas/mist/vapors/spray P262: Do not get in eyes, on skin or on clothing P264: Wash thoroughly after handling P271: Use only outdoors or in a well-ventilated area P280/P284: Wear protective gloves/protective clothing/eye protection/face protection. Wear a NIOSH approved respirator for organic solvents.</p>																					

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>
ASPHALT	8052-42-4	232-490-9	N/A	<45-50%
MINERAL SPIRITS	8052-41-3	232-489-3	N/A	<8-20%
CELLULOSE	9004-34-6	232-647-9	N/A	<2-6%
BENTONITE	1302-78-9	215-108-5	N/A	<10-25%
1,2,4-TRIMETHYLBENZENE	95-63-6	202-436-9	N/A	<1%
BENZENE, 1,3,5-TRIMETHYL	108-67-8	203-604-4	N/A	<1%
SURFACTANT	30113-45-2	250-056-7	N/A	<0.5%

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

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SECTION 4 – FIRST-AID MEASURES

Inhalation: Move into fresh air. If breathing is difficult, give oxygen and call physician.
Skin: Wash skin thoroughly with soap and water. If irritation persists, get medical attention.
Eyes: Flush with water for 15 minutes. Remove contact lenses, if present and easy to do so. If irritation persists, get medical attention.
Ingestion: DO NOT INDUCE VOMITING. Contact physician immediately.

SECTION 5 – FIRE-FIGHTING MEASURES

Fire Hazard: Closed container may explode when exposed to extreme heat. Products of combustion may be toxic.
Combustion Products: Carbon Monoxide, Carbon dioxide, Hydrocarbons.
Extinguishing Media: Foam, Dry Chemical, Carbon Dioxide, Water Spray, Fog.
Unsuitable Extinguishing Media: Do not use direct stream of water.
Protective Equipment: Self-contained breathing apparatus {(SCBA), MSHA/NIOSH} and 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. Avoid water in a straight hose stream. Stream will cause splatter and spread the fire. If product is heated above flash point it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along ground and are ignited by sources of ignition and heat.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Personnel cleaning up the spill should wear appropriate personal protective equipment, including respirators if vapor concentrations are high. Stay upwind and ventilate the area before entry.
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. 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: Soak up spill with sand or other absorbent. Place in container. Do not use water to flush spill area. Remove all sources of ignition.

SECTION 7 – HANDLING AND STORAGE

<u>Handling</u>	<u>Storage</u>
Avoid contact with eyes, skin and clothing. Use only outdoors or in a well-ventilated area. Keep container closed. Wash thoroughly after using.	Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use. Keep away from heat, sparks, open flame and other sources of ignition. Keep out of reach of children. Incompatible Materials: Strong oxidizers, acids, and halogenated chemicals.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Hazardous Chemicals</u>	<u>ACGIH-TLV</u>	<u>ACGIH-STEL</u>	<u>OSHA-PEL</u>
PETROLEUM ASPHALT	0.5 mg/m ³ (Fume)	N/A	N/A
STODDARD SOLVENTS	100 ppm	N/A	N/A
CELLULOSE FIBER	10 mg/m ³	N/A	N/A
SILICATE MINERAL	10 mg/m ³ (Dust)	N/A	N/A

Engineering Controls: A source of running water to flush or wash the eyes and skin in case of contact.
Ventilation: Local ventilation is adequate. Maintain exposure below TLV level.
Personal Protective Equipment – Respiratory: Not normally required in well-ventilated area. If TLV is exceeded, a NIOSH/MSHA approved breathing apparatus is recommended.
Personal Protective Equipment – Skin: Nitrile or Neoprene rubber gloves. Solvent resistant apron/boots. Wear clothing that covers skin.
Personal Protective Equipment – Eyes: Safety goggles/Face Shield.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Appearance: Black	Flash Point: 105°F	Vapor Pressure: Not Established
Odor: Petroleum	Specific Gravity: =1.046 Water =1	Flammability: Not Established
pH: Not Established	Solubility (H2O): Soluble	Flammability Limits: LEL – 0.9%
Melting Point: Not Established	Evaporation Rate: Not Established	UEL – 6.0%
Freezing Point: Not Established	Vapor Density: =1 Air=1	
Boiling Point: 300°F – 400°F	VOC: 200 g/l	

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SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Conditions to avoid: Sparks, flames, electrical and static discharge.

Incompatible materials: Strong oxidizers, acids, halogenated chemicals and flame.

Hazardous decomposition products: Carbon Dioxide, Carbon Monoxide and hydrocarbons.

SECTION 11 – TOXICOLOGICAL INFORMATION

<u>Hazardous Chemicals</u>	<u>Toxicity</u>	
	<u>LD₅₀</u>	<u>LC₅₀</u>
ASPHALT	Oral: >5000 mg/kg (rat)	Inhale: >94.4 mg/m ³ (rat)
CELLULOSE	Oral: >5 mg/kg (rat)	Inhale: >5800 mg/m ³ (rat)
BENTONITE	N/A	N/A
1, 2, 4-TRIMETHYLBENZENE	Oral: >5 mg/kg (rat)	Inhale: 1800 mg/m (rat)

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

Symptoms and Effect - Inhalation: Excessive breathing of high vapor concentration can cause nasal and respiratory irritation, dizziness, nausea and possible unconsciousness and even asphyxiation. **Skin Contact:** Prolonged or repeated contact may cause irritation. **Eye Contact:** Contact may cause irritation, blurred vision. **Ingestion:** Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into lungs can cause chemical pneumonitis, which can be fatal.

Long-Term Effect: None known.

Pre-Existing Conditions: Pre-existing lung and skin disorders.

Carcinogenicity: Material contains Petroleum Asphalt. IARC has determined that there is adequate evidence that asphalt alone is carcinogenic to humans, in solution; solvent extracts can produce skin cancer in animals following prolonged and repeated contact. IARC has conducted that there is sufficient evidence of the carcinogenicity of Asphalt extract. Therefore cutbacks like this product may also be implicated as potentially carcinogenic. Please follow GHS Safety Data Sheets precautionary measures.

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 200 g/l.

SECTION 13 – DISPOSAL CONSIDERATION

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

SECTION 14 – TRANSPORTATION INFORMATION

D.O.T. (U.S.): Not Regulated when shipped in containers <119 gallons.

SECTION 15 – REGULATORY INFORMATION

Precautionary Label Information: None.

Risk Phrases: None.

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. Calif. PRO. 65 – Chemical Warning (California Health and Safety Code #25249.5 ET SEQ). –

Warning: This product contains chemicals known to the state of California to cause cancer, birth defects or reproductive harm. Read and follow label directions and information given on GHS Safety Data Sheets and use care when handling or using all petroleum products.

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**