



**SECTION 1 - IDENTIFICATION**

<p><b>Manufacturer:</b>                  Black Swan Mfg. Co.                  4540 W. Thomas St.                  Chicago, IL 60651-3318                  Tel.: 800-252-5796                  Fax: 773-227-3705                  Web Site : <a href="http://www.blackswanmfg.com">www.blackswanmfg.com</a>                  E-mail : <a href="mailto:info@blackswanmfg.com">info@blackswanmfg.com</a></p>	<p>For any Transportation or Medical Chemical Emergencies call:   <b>INFOTRAC</b>                   (800) 535-5053 <b>OR</b> (352) 323-3500                   24 hours per day - 7 days a week</p>
<p><b>Product Name: Liquid Roof Coating</b></p>	<p><b>Recommended Use:</b> An asphalt base liquid coating used to preserve and protect different types of roofs.</p>

**SECTION 2 – HAZARD(S) IDENTIFICATION**

<p><b>Labels</b>                    Health Hazard    Flammable    Irritant</p> <p><b>Signal Word</b>                  Danger</p> <p><b>HMIS</b></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>0</td> </tr> </table>	HEALTH	1	FLAMMABILITY	2	REACTIVITY	0	<p><b>NFPA</b></p> <table border="1"> <tr> <td><b>HEALTH HAZARD</b> 4 – Deadly 3 – Extreme Danger 2 – Hazardous 1 – Slight Hazardous 0 – Normal Material</td> <td> 1 2 0</td> <td><b>FIRE HAZARD</b> 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><b>SPECIFIC HAZARD</b> Oxidizer OX Acid ACID Alkali ALK Corrosive COR Use NO WATER W Radioactive R</td> <td></td> <td><b>REACTIVITY</b> 4 – May detonate 3 – Shock and heat may detonate 2 – Violent chemical change 1 – Unstable if heated 0 – Stable</td> </tr> </table>	<b>HEALTH HAZARD</b> 4 – Deadly 3 – Extreme Danger 2 – Hazardous 1 – Slight Hazardous 0 – Normal Material	 1 2 0	<b>FIRE HAZARD</b> 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	<b>SPECIFIC HAZARD</b> Oxidizer OX Acid ACID Alkali ALK Corrosive COR Use NO WATER W Radioactive R		<b>REACTIVITY</b> 4 – May detonate 3 – Shock and heat may detonate 2 – Violent chemical change 1 – Unstable if heated 0 – Stable	<p><b>GHS Classification</b></p> <table border="1"> <tr> <td><b>Health</b> Acute Toxicity: Not Established Skin Irritation: Cat. 2 Eye Irritation: Cat. 2A Skin Sensitization: NO</td> <td><b>Environmental</b> Acute Aquatic Toxicity: Not Established Chronic Aquatic Toxicity: Not Established</td> </tr> <tr> <td colspan="2"><b>Physical</b> Flammability: Cat. 3</td> </tr> </table>	<b>Health</b> Acute Toxicity: Not Established Skin Irritation: Cat. 2 Eye Irritation: Cat. 2A Skin Sensitization: NO	<b>Environmental</b> Acute Aquatic Toxicity: Not Established Chronic Aquatic Toxicity: Not Established	<b>Physical</b> Flammability: Cat. 3	
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<p><b>Hazardous Statements</b></p> <p>H226: Flammable liquid and vapor                  H304 &amp; 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><b>Precautionary Statements</b></p> <p>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                  P260: Do not breathe 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**

<b>Chemicals</b>	<b>CAS#</b>	<b>EINECS#</b>	<b>REACH Pre-registration Number</b>	<b>Approx %</b>
ASPHALT	8052-42-4	232-490-9	N/A	<45-50%
MINERAL SPIRITS	8052-41-3	232-489-3	N/A	<15-25%
1,2,4-TRIMETHYLBENZENE	95-63-6	202-436-9	N/A	<1-5%
BENTONITE	1302-78-9	215-108-5	N/A	<1-5%
BENZENE, 1,3,5-TRIMETHYL	108-67-8	203-604-4	N/A	<1-5%
CELLULOSE	9004-34-6	232-647-9	N/A	<1-5%

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

# GHS SAFETY DATA SHEET

## SECTION 4 – FIRST-AID MEASURES

**Inhalation:** Move into fresh air. Immediately call a poison center or doctor. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**Skin:** Wash skin thoroughly with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. If skin irritation occurs, 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:** Keep away from sources of ignition and heat. Containers may explode when heated.

**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:** Eliminate all ignition sources. Isolate contaminated area.

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

**Methods for Cleaning Up:** Soak up spill with sand or other absorbent and recover free liquid. Place in container. Do not use water to flush spill area. Remove all sources of ignition. Wash and ventilate area.

## 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 closed when not in use. Keep away from heat, sparks, open flame and other sources of ignition. Keep out of reach of children. <b>Incompatible Materials:</b> Strong oxidizers and acids.

## 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>
CELLULOSE	10 mg/m <sup>3</sup>	N/A	15 mg/m <sup>3</sup> (TOTAL DUST), 5 mg/m <sup>3</sup> (RESPIRABLE FRACTION)
MINERAL SPIRTIS	100 ppm	N/A	500 ppm; 2900 mg/m <sup>3</sup>
ASPHALT	0.5 mg/mg <sup>3</sup>	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 rubber gloves.

**Personal Protective Equipment – Eyes:** Safety goggles.

## SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance:</b> Thick black liquid	<b>Flash Point:</b> 105°F min.	<b>Vapor Pressure:</b> 2 mm Hg 68°F
<b>Odor:</b> Mild Hydrocarbon	<b>Specific Gravity:</b> Less than 1	<b>Flammability:</b> Not Established
<b>pH:</b> Not Established	<b>Solubility (H2O):</b> N/A	<b>Flammability Limits:</b> LEL – 0.9%
<b>Melting Point:</b> Not Established	<b>Evaporation Rate:</b> N/A	UEL – 6.0%
<b>Freezing Point:</b> Not Established	<b>Vapor Density:</b> 4.9 (air=1)	
<b>Boiling Point:</b> 315°F – 550°F	<b>VOC:</b> 250 g/l	

## GHS SAFETY DATA SHEET

### SECTION 10 – STABILITY AND REACTIVITY

**Stability:** Stable.

**Hazardous polymerization:** Will not occur.

**Conditions to avoid:** Strong oxidizing agents, sparks, flames, electrical and static discharge.

**Incompatible materials:** Strong oxidizers and acids.

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

### SECTION 11 – TOXICOLOGICAL INFORMATION

<u>Hazardous Chemicals</u>	<u>Toxicity</u>	
	<u>LD<sub>50</sub></u>	<u>LC<sub>50</sub></u>
ASPHALT	Oral: >5000 mg/kg (rat)	Inhale: >94.4 mg/m <sup>3</sup> (rat)
BENTONITE	N/A	N/A
BENZENE, 1,3,5-TRIMETHYL	Oral: 5000 mg/kg (rat)	N/A
CELLULOSE	Oral: >5 mg/kg	Inhale: >5800 mg/m <sup>3</sup> (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.

*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 12 – ECOLOGICAL INFORMATION

**Ecotoxicity:** None known.

**Persistence & Degradability:** None known.

**Bioaccumulative Potential:** None known.

**Mobility in soil:** None known.

### 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.): Department of transportation

Shipping name: Not restricted if shipped in container <450L. Restricted if shipped in containers >450L.

### 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**