



## Liquid Roof Coating

Material Safety Data Sheet

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 sheet.

SECTION I - GENERAL INFORMATION			
Black Swan Manufacturing Co. 4540 W. Thomas Street Chicago, IL 60651-3318 Telephone No: 1-773-227-3700 Fax No: 1-773-227-3705		For chemical emergencies during transportation only call  INFOTRAC <b>1-800-535-5053</b> 24 hours per day - 7 days a week	
<b>Date Prepared</b> 01/01/08		<b>Trade Name</b> <b>LIQUID ROOF COATING</b>	
SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION			
HAZARDOUS COMPONENTS	CAS#	APPROX%ACGIH-TLV	OSHA-PEL
PETROLEUM ASPHALT	8052-42-4	60%	5.0mg/m3 -----
PETROLEUM SOLVENTS	64742-48-9	35%	100 ppm -----
CELLULOSIC FIBER	9004-34-6	5%	10 mg/m3* -----
INORGANIC FILLERS	-----	15%	5 mg/m3 * -----
* AS RESPIRABLE DUST.			-----
*Title III Section 313 Supplier Notification: this product contains toxic chemicals subject to the reporting requirements of Section 313 of the Emergency planning and community Right-to-Know Act of 1966 and			

of 40CFR372. This information must be included in all MSDS's that are copied and distributed for this material.

<p><b>SHIPPING INFORMATION</b></p> <p>NOT HAZARDOUS FOR SHIPPING PURPOSES.</p>	<p><b>SPECIAL HAZARD DESIGNATIONS</b></p> <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th style="text-align: center;"><u>HMS</u></th> <th style="text-align: center;"><u>NFPA</u></th> <th style="text-align: center;"><u>HAZARD RATING</u></th> </tr> </thead> <tbody> <tr> <td>HEALTH</td> <td style="text-align: center;">2</td> <td style="text-align: center;">2</td> <td>0 - MINIMAL</td> </tr> <tr> <td>FLAMMABILITY</td> <td style="text-align: center;">2</td> <td style="text-align: center;">2</td> <td>1- SLIGHT</td> </tr> <tr> <td>REACTIVITY</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td>2- MODERATE</td> </tr> <tr> <td>PROTECTIVE EQUIPMENT</td> <td style="text-align: center;">B</td> <td></td> <td>3- SERIOUS 4- SEVERE</td> </tr> </tbody> </table>		<u>HMS</u>	<u>NFPA</u>	<u>HAZARD RATING</u>	HEALTH	2	2	0 - MINIMAL	FLAMMABILITY	2	2	1- SLIGHT	REACTIVITY	0	0	2- MODERATE	PROTECTIVE EQUIPMENT	B		3- SERIOUS 4- SEVERE
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**SECTION III - PHYSICAL DATA**

<p><b>APPEARANCE</b> THICK BLACK COATING</p>	<p><b>ODOR</b> SLIGHT PETROLEUM HYDROCARBON SOLVENT ODOR.</p>	<p><b>BOILING POINT</b> 300 - 390° F</p>
<p><b>SPECIFIC GRAVITY (H2O=1)</b> LESS THAN 1.00</p>	<p><b>VAPOR PRESSURE (mm Hg.)</b> 6 mm Hg 106° F</p>	<p><b>VOLATILE BY VOLUME (%)</b> LESS THAN 35</p>
<p><b>VAPOR DENSITY (AIR=1)</b> 3.9 (AIR = 1.0)</p>	<p><b>EVAPORATION RATE (BUAC=1)</b> @1 ATM AND 25° C (77° F)</p>	<p><b>SOLUBILITY IN WATER</b> INSOLUBLE</p>

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

<b>FLASH POINT ( METHOD USED)</b>	<b>FLAMMABLE LIMITS</b>	<b>LEL</b>	<b>UEL</b>
103° F VIA TCC	(PERCENT BY VOLUME)	0.9%	6.0%

**FIRE EXTINGUISHING MEDIA**  
EXTINGUISH WITH DRY CHEMICAL & CO2 OR UNIVERSAL TYPE FOAM AND WATER FOG ARE EFFECTIVE BUT MAY CAUSE FROTHING. **DO NOT USE WATER.**

**SPECIAL FIRE FIGHTING PROCEDURES**

FIGHT AS A FUEL OIL FIRE.

**UNUSUAL FIRE AND EXPLOSION HAZARD**

DO NOT USE LIQUID WATER. THIS MAY CAUSE FIRE TO SPREAD.

**SECTION V - HEALTH HAZARD DATA**

PRIMARY ROUTES OR ENTRY  Inhalation  Skin contact  Eye contact  Ingestion

**EFFECT OF OVEREXPOSURE**

REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVER-EXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THIS PRODUCT MAY BE HARMFUL OR FATAL.

REPEATED SKIN CONTACT HAS BEEN SHOWN TO PRODUCE SKIN TUMORS ON LABORATORY ANIMALS.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

PERSONS WITH PRE-EXISTING CENTRAL NERVOUS SYSTEM DISEASE, SKIN DISORDERS, OR CHRONIC RESPIRATORY DISEASE SHOULD AVOID EXPOSURE TO THIS PRODUCT.

**EMERGENCY AND FIRST AID PROCEDURES**

SKIN: REMOVE FROM SKIN WITH MINERAL SPIRITS; WASH WITH SOAP AND WATER.

AIR: REMOVE TO FRESH AIR; IF EXCESSIVELY DIZZY, ADMINISTER OXYGEN.

EYE: WASH WITH LARGE QUANTITIES OF WATER. IF IRRITATION PERSISTS, SEE A PHYSICIAN.

**SECTION VI - REACTIVITY**

STABILITY	UNSTABLE		<b>CONDITIONS TO AVOID</b> AVOID CONTACT WITH STRONG OXIDANTS SUCH AS
	STABLE	X	LIQUID CHLORINE, CONCENTRATED OXYGEN, SODIUM HYPOCHLORITE OR CALCIUM HYPOCHLORITE.

<b>INCOMPATIBILITY (MATERIALS TO AVOID)</b>			
STRONG OXIDIZING AGENTS SUCH AS NITRIC ACID.			
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>			
NOT APPLICABLE.			
HAZARDOUS POLYMERIZATION	MAY OCCUR		<b>CONDITIONS TO AVOID</b>
	WILL NOT OCCUR	X	
<b>SECTION VII - SPILL OR LEAK PROCEDURES</b>			
<b>STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED</b>			
SCOOP UP AND PLACE IN COVERED METAL CONTAINER.			
<b>WASTE DISPOSAL METHOD</b>			
DISPOSE AS WITH ANY HYDROCARBON LIQUID.			
<b>SECTION VIII - SPECIAL PROTECTION INFORMATION</b>			
<b>RESPIRATORY PROTECTION (Specify type)</b>			
IF AREA CAN NOT BE ADEQUATELY VENTILATED, USE SELF-CONTAINED BREATHING EQUIPMENT.			
<b>VENTILATION</b>			
USE FORCED AIR VENTILATION TO MAINTAIN VAPOR BELOW 60 PPM.			
<b>PROTECTIVE GLOVES</b>		<b>EYE PROTECTION</b>	
NOT NORMALLY REQUIRED UNLESS SKIN IS EXTREMELY SENSITIVE.		DO NOT ALLOW TO SPLASH IN EYES; WEAR GLASSES OR GOGGLES IF NECESSARY.	
<b>OTHER PROTECTIVE EQUIPMENT AND HYGIENIC PRACTICES</b>			
NOT APPLICABLE.			
<b>SECTION IX - SPECIAL PRECAUTIONS</b>			
<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING</b>			
KEEP AWAY FROM SPARKS, OPEN FLAMES, OR OTHER SOURCES OF IGNITION.			

**OTHER PRECAUTIONS**

This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.

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