

MATERIAL SAFETY DATA SHEET

POLYGUARD PRODUCTS, INC.

ESSENTIALLY SIMILAR TO
OSHA FORM - 174

Manufacturer's Name POLYGUARD PRODUCTS, INC.		TELEPHONE NUMBER (972) 875-8421		N F P A *** FIRE HAZARDS IDENTIFICATION SYSTEM		
Address: P.O. Box 755, Ennis Texas, 75120			Date 4/4/05			
FOR EMERGENCY ASSISTANCE CALL POLYGUARD - (800) 541-4994 (DAY) OR CHEMTREC - (800) 424-9300 (24 HOURS)						
Trade Name & Synonyms - Polyguard #95 Liquid Membrane - Component A				HEALTH	1	
				FIRE	1	
				REACTIVITY	0	
				SPECIFIC	0	
Chemical Name or Composition - Mixture		Chemical Family - Bitumen / Hydrocarbon / Homopolymer		Formula - Mixture		

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS NUMBER	OSHA PERMISSIBLE EXPOSURE LIMIT	AGCIH - THRESHOLD LIMIT VALUES	IS PRODUCT LISTED IN NATIONAL TOXICOLOGY PROGRAM (NTP) ANNUAL REPORT ON CARCINOGENS?	IF PRODUCT HAS BEEN EVALUATED BY THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC), DESCRIBE RESULTS.	HAS PRODUCT BEEN FOUND TO BE A POTENTIAL CARCINOGEN BY OSHA?	% BY WGT.
Bitumen (cracking residue)	8052-42-4	5 mg/M ³ (fumes)	5 mg/M ³ (fumes)	NO	LISTED AS GROUP 3. (See A)	NO	26-31%
Naphthenic Distillate	64742-52-5	5.0 mg/M ³ (fumes)	5.0 mg/M ³ (fumes)	NO	NOT LISTED	NO	7-8%
Hydroxy Terminated 1,3-Butadiene Homopolymer	69102-90-5	ND	ND	NO	NOT LISTED	NO	8-15%
Calcium Carbonate	0471-34-1	NA	NA	NO	NOT LISTED	NO	0-15%

*** NFPA 49 - Hazardous Chemical Data

**** This chemical is subject to the reporting requirements of Section 313 of SARA Title III

- A. IARC definitions:
- GROUP 1: Carcinogenic to humans
 - GROUP 2A: Probably carcinogenic to humans
 - GROUP 2B: Possibly carcinogenic to humans
 - GROUP 3: Not classifiable as to carcinogenic or non carcinogenic to humans
 - GROUP 4: Probably not carcinogenic to humans

SECTION III - PHYSICAL DATA

APPEARANCE AND ODOR: Semi-solid, Slight Asphalt Odor			
BOILING POINT (°F)	>600°F	SPECIFIC GRAVITY (H₂O = 1)	1.29
VAPOR PRESSURE (mm Hg)	N/D	PERCENT, VOLATILE BY VOLUME (%)	.005
VAPOR DENSITY (AIR = 1)	N/D	EVAPORATION RATE (ETHER = 1)	0
SOLUBILITY IN WATER	< .01	VOC g/L	0

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA CO ₂ , Water, Foam	FLASH POINT (Method used) >525 ° F COC	FLAMMABLE LIMITS	LEL N/D	UEL N/D
SPECIAL FIRE FIGHTING PROCEDURES - Wear self-contained breathing apparatus when fighting fires.				
UNUSUAL FIRE AND EXPLOSION HAZARDS - N/D				

SECTION V - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID				
	STABLE	X	None				
INCOMPATIBILITY (Materials to Avoid) - N/D							
HAZARDOUS DECOMPOSITION OR BYPRODUCTS - CO, CO ₂ , Smoke		HAZARDOUS POLYMERIZATION	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">MAY OCCUR</td> <td></td> </tr> <tr> <td style="text-align: center;">WILL NOT OCCUR</td> <td style="text-align: center;">X</td> </tr> </table>	MAY OCCUR		WILL NOT OCCUR	X
MAY OCCUR							
WILL NOT OCCUR	X						

SECTION VI - HEALTH HAZARD DATA

CONDITIONS TO AVOID - Strong oxidizers and strong acids	ROUTES OF ENTRY - INHALATION (X) (only if heated)	SKIN (X)	INGESTION ()
HEALTH HAZARD (Acute Over Exposure) - SKIN - Moderately irritating INHALATION - Fumes can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, and headache. INGESTION - Irritation, nausea			
HEALTH HAZARD (Chronic Over Exposure) - SKIN - Overexposure to components has apparently been found to cause the following effects in laboratory animals: (A) Skin cancer Prolonged and repeated skin exposure or inhalation of fumes over many years in the absence of recommended hygiene practices may lead to changes in skin pigmentation, benign skin growths and may in some cases result in an increased risk of cancer of the respiratory tract, kidney, bladder, and skin. Can cause nausea and irritation of eyes and nose.			
EMERGENCY AND FIRST AID PROCEDURES - SKIN - Wash area of contact thoroughly with soap and water. Launder contaminated clothing before reuse. EYES - Flush with water for 15 minutes. Get medical attention. INGESTED - Do not induce vomiting. Keep person warm, quiet and get medical attention. Do not make an unconscious person vomit. INHALATION - Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.			

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED - Spread granular cover, impound/recover large land spill
WASTE DISPOSAL METHOD - Dispose in accordance with Local, State and Federal regulations.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING - Store in a dry, ventilated area away from heat. Do not reuse containers for any other products. Do not store in temperature exceeding 100°F.
OTHER PRECAUTIONS - None

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION - If TLV of the product or any component is exceeded, a NIOSH/MSHA jointly approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specified conditions. (See your safety equipment supplies.) Engineering or administrative controls should be used to reduce exposure.
VENTILATION - LOCAL EXHAUST - Use local and explosion proof mechanical exhaust to maintain exposure levels below TLV's. MECHANICAL - Use local and explosion proof mechanical exhaust to maintain exposure levels below TLV's.
PROTECTIVE GLOVES - Wear impervious gloves.
EYE PROTECTION - Wear safety glasses to prevent contact with eyes.
OTHER PROTECTIVE EQUIPMENT - To prevent repeated or prolonged skin contact, wear impervious clothing and boots.
WORK - HYGIENIC PRACTICES - Maintain good personal hygiene.

D.O.T. STATUS

D.O.T. HAZARDOUS MATERIAL	D.O.T. SHIPPING NAME AND NUMBER	D.O.T. HAZARD CLASS
NO	NOT RESTRICTED	NOT RESTRICTED