

# MATERIAL SAFETY DATA SHEET

<b>Manufacturer's Name:</b> POLYGUARD PRODUCTS, INC.		<b>Telephone Number:</b> (972) 875-8421	<b>NFPA * FIRE HAZARDS IDENTIFICATION SYSTEM</b>	
<b>Address:</b> P.O. Box 755, Ennis Texas, 75120		<b>Date:</b> Revised 6/21/05		
FOR EMERGENCY ASSISTANCE CALL: Polyguard: (800) 541-4994 (DAY) or CHEMTREC: (800) 424-9300			<b>FIRE</b>	<b>3</b>
<b>Trade Name &amp; Synonyms:</b> CA-14			<b>REACTIVITY</b>	<b>1</b>
			<b>Special Hazards</b>	<b>0</b>
<b>Chemical Name or Composition:</b> Petroleum Pitch based Mastic		<b>Chemical Family:</b> Mixture	<b>Formula:</b> Mixture of petroleum pitch, asphalt and aromatic solvents.	

## SECTION II – INFORMATION ON 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	% BY WGT.
Petroleum Pitch	68187-58-6	Not determined	Not determined	No	Not listed	20-25%
Hydrotreated heavy Naphthenic oil	64742-52-5	5 mg/m3	5 mg/m3	No	Not listed	5-7 %
Polycyclic aromatic compounds (PACs) **	Mixture	0.2 mg/m3	0.2 mg/m3 TWA as benzene soluble aerosol	Yes	Listed as group 2A & B	0.1-0.3 %
Toluene **	108-88-3	200 ppm	50 ppm skin	No	Listed as group 3	20-30%
Ethanol	64-17-5	1000 ppm	1000 ppm	No	Not Listed	5-10 %
Methanol	67-56-1	200 PPM	200 ppm	No	Not Listed	5-10%

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

A. IARC	GROUP 1: <i>Carcinogenic to humans</i>	GROUP 3: <i>Not classifiable as to carcinogenic or non carcinogenic to humans</i>
Definitions:	GROUP 2a: <i>Probably carcinogenic to humans</i>	GROUP 4: <i>Probably not carcinogenic to humans</i>
	GROUP 2b: <i>Possibly carcinogenic to humans</i>	

## Section III - Hazards Identification

This product contains polynuclear aromatic hydrocarbons some of which have produced cancer in laboratory animals and humans. Vapor can produce eye, skin, and respiratory tract irritation. This material is a flammable material.

**Inhalation** – Harmful if inhaled. Over exposure to vapors and mists can cause respiratory and nasal irritation, anesthetic effects, dizziness, possible unconsciousness and asphyxiation, stupor, weakness fatigue, nausea, and headache. Long term overexposure may cause damage to the brain, liver, kidneys or central nervous system.

**Ingestion** – Gastrointestinal irritation, nausea, vomiting, diarrhea, death, aspiration into the lungs which can be fatal.

**Skin contact**- Discoloration, moderate irritation, drying of skin, defatting and possible dermatitis. Dermal exposure plus sunlight could cause a phototoxic reaction that resembles sunburn

**Eye contact**- May cause severe irritation, redness, tearing or blurred vision.

## ***Section VI - First Aid Measures***

**Inhalation-** If affected, move person to fresh air. If breathing is difficult, administer oxygen. If not breathing or no heartbeat, give artificial respiration or cardiopulmonary resuscitation (CPR). Immediately call for medical assistance.

**Skin Contact:** Remove material with waterless hand cleaner and then wash effected area with soap and water for at least 15 minutes. Remove contaminated clothing and launder before reuse. If irritation persists, contact a physician.

**Ingestion: Do Not** induce vomiting. Keep person warm, quiet and get medical attention. Do not make an unconscious person vomit. Monitor for breathing difficulties.

**Eye Contact:** Flush eyes with water for at least 15 minutes. Consult a physician.

**Medical Conditions Aggravated by Exposure:** Preexisting skin, eye and respiratory disorders may be aggravated by exposure to components of this product.

## ***SECTION V – Fire fighting Measures***

**Extinguishing media-** Dry chemical, foam, CO<sub>2</sub> or water fog

**Special fire fighting procedures-** Evacuate the area of unprotected personnel. Wear self contained breathing apparatus when fighting fire. Cool surrounding containers with water in case of fire exposure. For closed container, pressure build up and possible explosion might occur due to extreme heat exposure. Contain water run off from fire fighting activities.

**Flash point** 45 °F (7 °C) setaflash

**Flammable limits** LEL- 1.0 % UEL -8.0 %

**Unusual Fire and explosion hazards-** None

## ***SECTION VI – Accidental Release Measures***

**Personal precautions:** Approach from an uphill and upwind position. Eliminate all ignition sources. Evacuate all unprotected personnel, isolate area and prevent entry. Vapors are heavier than air and may travel a considerable distance to an ignition source and flash back to the source.

Spills may be collected with inert material (clay or sand) for proper disposal. Use non sparking tools, protective gloves, goggles, and clothing, adequate ventilation. Avoid breathing vapors by using proper respiratory protection. Transfer absorbent material to suitable containers, seal properly and dispose of in accordance with local, state and federal regulations.

## ***SECTION VII – Handling and Storage***

Comply with all applicable EPA, OSHA, NFPA, state and local regulations. Use appropriate grounding and bonding practices. Store in properly closed containers that are appropriately labeled and in a cool well-ventilated area. Do not expose to heat, open flames, strong oxidizers or other sources of ignition. Do not drill, cut, grind, or weld on empty containers since they may contain explosive residues. Keep out of the reach of children. Vapors are heavier than air and may travel a considerable distance to an ignition source and flash back to the source. Apply in accordance with manufacturers instructions.

Avoid skin contact. Exercise good personnel hygiene including removal of solids clothing and prompt washing with soap and water.

## **SECTION VIII – Exposure Controls/ Personnel Protection**

**Engineering measures** - Local or general exhaust required in an enclosed area or when there is inadequate ventilation.

**Respiratory protection**- Use atmosphere supplying respirator when vapor concentration exceeds permissible limits. Otherwise an organic vapor respirator with pre-fillers for fumes can be used. Self contained breathing apparatus should be used for fire fighting.

**Skin and body protection**- Impermeable gloves should be used to prevent skin contact.

**Eye protection**- Chemical resistant splash goggles.

**Hygiene measures**-Wash with soap and water before eating, drinking, applying cosmetics or using toilet facilities. Launder contaminated clothing before reuse.

## **SECTION IX– Physical and Chemical Properties**

Appearance:	Black viscous liquid/ aromatic odor	Substance type:	Mixture
Boiling point:	212- 250 ° F (100- 121 ° C)	Vapor pressure:	38 mm Hg (@20 °C)
Solubility in water:	negl.	Vapor density:	3.2 (air =1.0)
Specific gravity:	1.1 (H <sub>2</sub> O=1)	Evaporation rate:	2.7 (n-butyl Acetate=1)
Percent Volatiles by wt:	31%	VOC	330 g/l

## **SECTION X– Stability and Reactivity**

Stability: Material is stable under normal storage and working conditions

Polymerization: Will not occur

Hazardous decomposition products: Combustion produces Carbon monoxide, nitrogen oxides, sulfur dioxide, hydrogen sulfide, and various other organic compounds and hydrocarbons.

Strong oxidizers

Conditions to avoid: Sources of heat or ignition

## **SECTION XI– Toxicological Information**

The international Agency for Research on Cancer ( IARC) and the National Toxicology Program ( NTP) have concluded that certain polycyclic aromatic hydrocarbons, i.e. ( benzo(a)pyrene, benz(a)anthracene, benzo(a)phenanthrene, indeno(1,2,3-cd) pyrene, benzo(j)fluoranthene, benzo(j,k)fluorine, benzo(g,h,i) perylene, and 5-methylchrysene are probably carcinogens to humans ( group 2A and B).

## **SECTION XII–Ecological Information**

No data available on this product.

## **SECTION XIII–Disposal Considerations**

Dispose of in accordance with federal, state and federal regulations.

## **SECTION XIV–Transportation Information**

Proper Shipping name	Coating Solution
UN/Identification number	UN 1139
Hazard Class-	3
Packing group	PG II

## **SECTION XV—Regulatory Information**

US TSCA Chemical Inventory section

This product and/or its compounds are listed on the TSCA Chemical Inventory.

OSHA Hazard communication Standard

This product has been evaluated and determined to be hazardous as defined in OSHA's Hazardous Communication Standard.

### **CERLA RQ**

<u>Component</u>	<u>RQ (Lbs)</u>
Polycyclic Aromatic hydrocarbons	10 Lbs
Toluene	100 lbs

### **SARA 302/304**

This product contains the following chemicals which are regulated under section 40 CFR 302.4

**Toluene**

**Polycyclic Aromatic Hydrocarbons**

**Section 311/312 Hazard Class-** 40 CFR 370.2

**Acute (X)    Chronic (X)    Fire (X)    Reactive ( )    Sudden Release of pressure ( )**

**SARA 313 Components-** 40 CFR 372.65

**Toluene**

**CAS #108-88-3**

**Polycyclic Aromatic Hydrocarbons**

**N590**

**Methanol**

**CAS# 67-56-1**

State and local Regulations

California Proposition 65

The following statement is made in order to comply with the California Safe drinking Water and Toxic Enforcement Act of 1986. This product contains the following substance (s) known to the state of California to cause cancer.

**Polycyclic Aromatic Hydrocarbons**

The following statement is made in order to comply with the California Safe drinking Water and Toxic Enforcement Act of 1986. This product contains the following substance (s) known to the state of California to cause reproductive harm.

**Toluene**

## **SECTION XV—Other Information**

The information accumulated herein is believed to be accurate but not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances