

MATERIAL SAFETY DATA SHEET

Manufacturer's Name: POLYGUARD PRODUCTS, INC.		Telephone Number: (972) 875-8421		NFPA 704 FIRE HAZARDS IDENTIFICATION SYSTEM			
Address: P.O. Box 755, Ennis Texas, 75120		Date: Revised 8/14/06				HEALTH	2
FOR EMERGENCY ASSISTANCE CALL: Polyguard: (800) 541-4994 (DAY) or CHEMTREC: (800) 424-9300						FIRE	2
Trade Name & Synonyms: LM-100						REACTIVITY	0
						Special Hazards	0
Chemical Name or Composition: Asphalt/Solvent cutback		Chemical Family: Mixture		Formula: Mixture			

SECTION II – INFORMATION ON INGREDIENTS

INGREDIENT	CAS NUMBER	OSHA PERMISSIBLE EXPOSURE LIMIT	ACGIH – 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.
Stoddard Solvent	8052-41-3	500 ppm TWA	100 ppm TWA	N/A	<i>Group 4</i>	10 - 30
Silica Sand	14808-60-7	0.05 gm/m ³ Respiration-dust	0.05 gm/m ³ Respiration-dust	Group 1	<i>Group 2b</i>	7 - 13
Heavy paraffinic distillate	64742-04-7	N/A	N/A	N/A	<i>N/A</i>	1 - 5

** 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

Inhalation – Inhalation of high concentrations of vapors can cause headaches, dizziness, nausea and unconsciousness.

Ingestion – If ingested in large quantities, gastro intestinal, nausea, vomiting, diarrhea may occur.

Skin contact- Contact with material may cause skin irritation.

Eye contact- Contact with primer may cause eye irritation.

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: If contact occurs, wash with soap and water. Remove contaminated clothing and launder before reuse.

Ingestion: DO NOT INDUCE VOMITING! If vomiting occurs, take measures to prevent the aspiration into lungs. Get immediate medical attention.

Eye contact: Flush eyes with water for at least 15 minutes, get medical attention.

SECTION V – Fire fighting Measures

Flammable limits- LEL- 1.0 UEL – 7.0

Flash point 109 F (43 C)

Auto ignition Temperature- 473 F (245 C) for the solvent

Hazardous Combustion Products- On burning some SO₂ and traces of CO. Main Combustion products water, Carbon dioxide and carbon as heavy smoke.

Extinguishing media- Foam, Carbon Dioxide, Dry Chemicals, Water Spray (for small fires).

Special fire fighting procedures- Evacuate the area of unprotected personnel. Wear self contained breathing apparatus and full protective clothing when fighting fire. Use water spray to cool fire exposed containers. Contain water run off from fire fighting activities.

Unusual Fire and explosion hazards- Product is sensitive to static discharge is material is a temperature above it's flash point.

SECTION VI – Accidental Release Measures

Clean up- Avoid breathing fumes and contact with eyes and skin. Remove all sources of ignition. Contain spilled material with absorbents such as sand, earth, etc. Place in appropriate covered containers and dispose of in accordance with appropriate regulations.

SECTION VII – Handling and Storage

Store material in a cool place and away from sources of ignition and excessive heat.

SECTION VIII – Exposure Controls/ Personnel Protection

Respiratory protection- Use an organic vapor mask if spraying. For confined spaces or other areas use proper ventilation to ensure TLV levels are not exceeded.

Skin and body protection- Oil resistant apron and/or clothing if direct contact is possible. Gloves made of neoprene or nitrile may be worn.

Eye protection- Chemical resistant splash goggles or other type of OSHA approved eye protection if material is sprayed.

Hygiene measures-Wash hands 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 paste, petroleum odor

Physical State- liquid

VOC – 20- 24 % by vol. < 200 g/L

Boiling point- 174 - 392 F (140 - 200 C)

Vapor pressure- 7 mm Hg @ 100 F (38 C)

Vapor density – 3.9 (air =1)

Specific Gravity- 1.05 (water=1)

Freezing point- N/A

Evaporation rate- 0.1 – 0.15 (BuAc=1)

Density =1.05 g/ml

Weight per gallon- 8.75 lb/gal

pH- N/A

Solubility in water- Insoluble

SECTION X– Stability and Reactivity

Stability: Material is stable under normal storage and working conditions

Polymerization: Will not occur

Conditions to avoid: Sources of ignition, excessive heat approaching it's flash point.

Incompatibility: Strong oxidizing agents may ignite the product.

Hazardous Decomposition Products: Will not decompose under normal conditions of handling or warehousing.

SECTION XI–Toxicological Information

LD50- (oral rat) > 5000 mg/kg

LC 50 (inhal.-rat) > 5 g/m³

Routes of entry- Eyes, Ingestion, Inhalation

Stoddard Solvent

NIOSH REL- TWA 350 mg/m³

ceiling 1800 mg/m³ (15 minutes)

OSHA PEL- TWA 500 ppm

IDLH- 20,000 mg/m³

ACGIH - TWA 100 ppm

Acute Effects- Product may cause skin or eye irritation if not washed off immediately after contact. Inhalation of high concentration of vapors can cause headaches, dizziness, nausea and unconsciousness.
Ingestion of large quantities may cause gastro-intestinal irritations.

Chronic Effects- Prolonged or repeated skin contact may cause severe skin problems such as lesions or dermatitis.
Vapors may also irritate eyes, nose and throat.

SECTION XII–Ecological Information

No data available on this product.

SECTION XIII–Disposal Considerations

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

SECTION XIV–Transportation Information

Proper Shipping name Tars, liquid, UN1999, Class 3, PG III

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

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

None

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.

None

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.

None

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.