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)		**HEALTH** 2 **FIRE** 3
Trade Name & Synonyms - **Cold Weather Solvent Activator**		**REACTIVITY** 0 **SPECIFIC** 0
Chemical Name or Composition - Hydrocarbon Mixture	***Chemical Family*** - Aromatic/Aliphatic Hydrocarbon	***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.*
Toluene	108-88-3 ****	100 ppm	100 ppm	NO	LISTED AS GROUP 3. (*See A)*	NO	30-34%
Hexane	110-54-3 ****	50 ppm	50 ppm	NO	NOT LISTED	NO	15.2%
Aliphatic Petroleum Distillate	64742-89-8	400 ppm	N/D	NO	LISTED AS GROUP 3 (*See A)*	NO	15.8%
Other	N/A	N/D	N/D	NO	NOT LISTED	NO	33%

*** *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: Red Liquid / Aromatic Odor			
BOILING POINT (°F)	105˚ F	***SPECIFIC GRAVITY (H_2O = 1)***	.09
VAPOR PRESSURE (mm Hg)	152	***PERCENT, VOLATILE BY VOLUME (%)***	63.3
VAPOR DENSITY (AIR = 1)	3.5	***EVAPORATION RATE (ETHER = 1)***	4.5
SOLUBILITY IN WATER	NIL	***VOC*** g / L	527

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA	*FLASH POINT (Method used)*	*FLAMMABLE LIMITS*		
CO_2, dry chemical, Foam	17° F TOC		***LEL***	1.1
			UEL	7.0

SPECIAL FIRE FIGHTING PROCEDURES - Wear self-contained breathing apparatus with a full face piece and protective clothing. Keep all persons without proper respiratory protection away from area.

UNUSUAL FIRE AND EXPLOSION HAZARDS - Vapor is heavier than air. Keep away from sparks, flames, electric motors, open pilots, and static discharges, Equipment must be properly grounded.

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***	***MAY OCCUR***	
		WILL NOT OCCUR	X

SECTION VI - HEALTH HAZARD DATA

CONDITIONS TO AVOID -
Excessive temperatures over 160°F

ROUTES OF ENTRY - **INHALATION** (X) **SKIN** (X) **INGESTION** ( )

HEALTH HAZARD (Acute Over Exposure) -
INHALATION - Vapors and fumes can cause the following: Nasal & respiratory irritation, dizziness, weakness, fatigue, nausea, and headache, possible unconsciousness, asphyxiation.
SKIN - Moderately irritating, defatting, dermatitis.
INGESTION - Irritation, nausea, vomiting, diarrhea, cardiovascular collapse

HEALTH HAZARD (Chronic Over Exposure)-
INHALATION -
Overexposure to components has apparently been found to cause the following effects in laboratory animals:
(A) Liver abnormalities (B) Lung damage (C) Kidney damage
SKIN AND INHALATION -
Overexposure to components of this material has been suggested as a cause of the following effects in humans:
(A) Liver abnormalities

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. Monitor for breathing difficulty.
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 - Eliminate all ignition sources: flames, flares, pilot lights, smoking, electric sparks. Stay up wind. Keep out of low areas. Stop spill at source. Keep all persons not wearing protective equipment away from area. Liquid may be taken up with sand, clay, earth, floor absorbent or other absorbent material. Avoid breathing vapors and contact with skin and eyes.

WASTE DISPOSAL METHOD - All volatile portion to evaporate completely. Dispose of non-volatile absorbent material in accordance with Local, State and Federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING - Never use welding or cutting torch on or near drums or containers (*even empty*) because product (*even residue*) can ignite explosively. Store in dry, ventilated area away from heat. Keep from flame or ignition sources. Do not reuse containers for any other products. Do not store in temperatures exceeding 100°F. Store in tightly closed containers. Metal containers should be grounded or bonded when material is transferred.

OTHER PRECAUTIONS - Empty containers may be hazardous when empty. Residue may contain explosive vapors. Keep out of reach of children. Application procedures should be performed by workmen who are skilled in the application of materials described herein in accordance with manufacturer's specifications.

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 resistant gloves such as nitrile rubber.

EYE PROTECTION - Chemical resistant splash goggles in compliance with OSHA regulations.

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
YES	COATING SOLUTION, 3, UN 1139, PG II	FLAMMABLE LIQUID 3