MATERIAL SAFETY DATA SHEET

PHFB

This MSDS complies with OSHA'S Hazard Communication standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION

NFPA Rating: Health-2; Flammability-2; Reactivity-0; Special-	**HMIS Rating:** Health-2; Flammability-2; Reactivity-1 ; Personal Protection-B
Manufacturer's Name: **DYNAFLUX, INC.**	**DOT Hazard Classification:** Consumer Commodity ORMD 48580 Sub 3 *(4x1)*
241 Brown Farm Rd.	*5 gal up:* Flammable Liquid, N.O.S. (Petroleum Distillates), 3, UN1993,, III
Cartersville, GA 30120	**Identity** (trade name as used on label):
	CRACK CHECK PHF PENETRANT (non-aerosol)
Prepared By: GS	**MSDS Number: PHFB** Revision: 4/13/2010
Information Calls: (800)334-4420	NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA

Emergency Response Number: CHEMTEL US: (800)-255-3924 / International: 813-248-0585

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS NUMBER	SARA III LIST	OSHA PEL (PPM)	ACGIH TLV (ppm)	Carcinogen Ref. source*
Xylol	1330-20-7	yes	100	100	d
Aliphatic Hydrocarbon Distillate	8052-41-3	yes	500	100	d
Aliphatic Hydrocarbon	64741-67-9	yes	100	100	d
VOC: 78%					

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 360 º F	**Specific Gravity (H2O=1):** 0.929
Vapor Pressure:(PSIG @ 70° F (Aerosols): NA	**Vapor Pressure:**(Non-Aerosols)(mm Hg and Temperature):10mmHg @ 20 °C
Vapor Density:(Air=1): NE	**Evaporation Rate** (BUAC=1): .08
Solubility in Water: Negligible	**Water Reactive:** No

Appearance and Odor: Red liquid aromatic odor.

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) NA	**Auto Ignition Temperature** NE	**Flammability Limits in Air by % in Volume:**			
		%LEL:	0.8	**%UEL:**	---

FLASH POINT AND METHOD USED (non-aerosols): 148° F

EXTINGUISHER MEDIA: Foam, water fog, carbon dioxide, dry chemical

SPECIAL FIRE FIGHT PROCEDURES:

Wear self contained breathing apparatus with a full face piece in pressure demand mode when fighting fires.

Unusual Fire & Explosion Hazards: Vapors are heavier than air. Vapors can be ignited from flames or other sources of heat at locations distant from material handling point. Product can ignite explosively Never use welding or cutting torches near fluid. Ground all work.

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY: [ ] STABLE [X] UNSTABLE	**HAZARDOUS POLYMERIZATION** [ ] WILL [X] WILL NOT OCCUR
Incompatibility (Mat. to Avoid): Strong oxidizing agents, sparks, open flame.	**Conditions to Avoid**: None

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: [X] INHALATION [ ] INGESTION [ ] SKIN ABSORPTION [ ] EYE [ ] NOT HAZARDOUS

ACUTE EFFECTS:

Inhalation: Nausea, respiratory irritation, dizziness

Eye contact: Irritant

Skin contact: Mild irritant

Ingestion: Irritant

CHRONIC EFFECTS:

Medical conditions Generally Aggravated by Exposure: Dermatitis

EMERGENCY FIRST AID PROCEDURES

Eye Contact: Rinse eyes with water for fifteen minutes

Skin Contact: Wash with soap and water.

Inhalation: Primary route of entry. Get fresh air.

Ingestion: Do not induce vomiting. Give several glasses of water. Call a physician.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (specify type): NIOSH/MSHA approved air supplied respirator in confined areas.

Protective Gloves: Nitrile rubber

Eye Protection: Splash goggles

Ventilation Requirements: Positive air movement to provide ventilation below TLV.

Other Protective Clothing & Equipment: For continuous use, wear protective clothing and boots.

Hygienic Work Practices: No smoking in use area.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken if Material Is Spilled Or Released: Small - Absorb on paper, floor absorbent. Large - eliminate all ignition sources.

Waste Disposal Methods: With a licensed disposal service in compliance with local, state and federal regulations.

Precautions To Be Taken In Handling & Storage: Wear protective clothing. Store in well ventilated area. do not puncture or incinerate containers. Do not store at temperatures above 120° F. KEEP OUT OF REACH OF CHILDREN

Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

*Chemical Listed as Carcinogen or Potential Carcinogen. [a] NPT [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only