

MATERIAL SAFETY DATA SHEET

PHFA

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-4; Reactivity-0 ; Special-		HMIS Rating: Health-2; Flammability-4; Reactivity-0; Personal Protection-B	
Manufacturer's Name: DYNAFLUX, INC. 241 Brown Farm Rd. Cartersville, GA 30120		DOT Hazard Classification: Consumer Commodity ORMD 48580 Sub 3 Identity (trade name as used on label): CRACK CHECK PHF PENETRANT (aerosol)	
Prepared By: GS		MSDS Number: PHFA	Revision: 11/3/2008
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*
Aliphatic Hydrocarbon	64742-47-8	yes	500	100	d
Aromatic Hydrocarbons	64741-67-9	yes	100	100	d
Xylol	1330-20-7	yes	100	100	d
Isobutoane/Propane Blend	75-28-5 and	no	1000	1000	d
	74-98-6	no	1000	1000	d
VOC: 82.54%					

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: NA	Specific Gravity (H2O=1): 0.945
Vapor Pressure: (PSIG @ 70° F (Aerosols): psig max 60	Vapor Pressure: (Non-Aerosols)(mm Hg and Temp):10mmHg @ 20° C
Vapor Density: (Air=1): NE	Evaporation Rate (BUAC=1): .08
Solubility in Water: Insoluble	Water Reactive: No
Appearance and Odor: Red liquid with solvent odor.	

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY as per USA FLAME	Auto Ignition Temperature	Flammability Limits in Air by % in Volume:	
PROJECTION TEST (aerosols) Flammable	NE	%LEL: NE	%UEL: NE
FLASH POINT AND METHOD USED: NA			

EXTINGUISHER MEDIA: CO2, Foam, Dry Chemical
SPECIAL FIRE FIGHT PROCEDURES: Wear self contained breathing apparatus.
Unusual Fire & Explosion Hazards: Do not expose aerosols to temperatures above 120° F or the container may rupture.

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY: <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE	HAZARDOUS POLYMERIZATION <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR	
Incompatibility (Mat. to Avoid): Strong oxidizers, sparks, open flame.	Conditions to Avoid: None	
Hazardous Decomposition Products: Carbon dioxide, carbon monoxide.		

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: INHALATION INGESTION SKIN ABSORPTION EYE NOT HAZARDOUS
ACUTE EFFECTS:
Inhalation: Headache, dizziness, nausea. If vapor concentration exceeds TLV, possible unconsciousness or could be fatal.
Eye contact: Mild irritation.
Skin contact: Possible mild irritation from defatting of skin by solvents.
Ingestion: Nausea, possible aspiration pneumonia if vomited.
CHRONIC EFFECTS: Possible neural dysfunction.
Medical conditions Generally Aggravated by Exposure: Dermatitis

EMERGENCY FIRST AID PROCEDURES

Eye Contact: Flush with water for 15 minutes. Get medical attention.
Skin Contact: Wash with soap and water. See physician if irritation develops.
Inhalation: Primary route of exposure. Remove to fresh air. Resuscitate. Get medical attention.
Ingestion: DO NOT INDUCE VOMITING. Give several glasses of water. CALL PHYSICIAN.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (specify type): If vapor concentration exceeds TLV, wear respirator approved by NIOSH/MSHA for organic vapors.
Protective Gloves: Rubber gloves recommended
Eye Protection: Safety glasses recommended
Ventilation Requirements: Adequate to keep vapor concentration below TLV.
Other Protective Clothing & Equipment: None
Hygienic Work Practices: Wash hands before handling food.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken if Material Is Spilled Or Released:
 Avoid breathing vapors. Remove ignition sources. Soak up with absorbent material. Incinerate or landfill according to local, state and federal regulations.
Waste Disposal Methods: Aerosol cans, when vented to atmospheric pressure through normal use pose no disposal problem.
Precautions To Be Taken In Handling & Storage:
 Avoid breathing vapors. Do not puncture or incinerate container. Do not store at temperatures above 120° F.
Other Precautions &/or Special Hazards: Avoid food contamination. **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