

part # PHF

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: 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*
Aliphatic Hydrocarbon	64742-47-8	yes	500	100	d
Aromatic Hydrocarbons	64741-67-9	yes	100	100	d
Xylo	1330-20-7	yes	100	100	d
Isobutane/Propane Blend	75-28-5 and 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 PROJECTION TEST (aerosols) Flammable	Auto Ignition Temperature NE	Flammability Limits in Air by % in Volume: % 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: <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE <input type="checkbox"/> 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