

MATERIAL SAFETY DATA SHEET

DFB

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-1; Flammability-3; Reactivity-0 ; Special-		HMIS Rating: Health-1; Flammability-3; 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 (4x1) 5 gal up: Flammable Liquids, N.O.S. (Ethyl Acetate, Isopropyl Alcohol), 3, UN1993,,III	
		Identity (trade name as used on label): CRACK CHECK DF DEVELOPER (non-aerosol)	
Prepared By: GS		MSDS Number: DFB 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*
Ethyl Acetate	141-78-6	yes	400	400	d
Isopropyl alcohol	67-63-0	yes	400	400	d
VOC: 86.91%					

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 171°F	Specific Gravity (H2O=1): .85
Vapor Pressure: (PSIG @ 70° F (Aerosols): NA	Vapor Pressure: (Non-Aerosols)(mm Hg and Temperature): 73 @ 20° C
Vapor Density: (Air=1): Not Established	Evaporation Rate (BUAC=1): 1.3
Solubility in Water: slightly soluble	Water Reactive: None
Appearance and Odor: White fluid, fruity 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: 2	%UEL: 11.4
FLASH POINT AND METHOD USED (non-aerosols): 30° F TCC			
EXTINGUISHER MEDIA: Carbon dioxide or dry chemical			
SPECIAL FIRE FIGHT PROCEDURES: Water may be ineffective but should be used to cool fire exposed containers.			
Unusual Fire & Explosion Hazards: Vapor is heavier than air and can travel considerable distance to a source of ignition and flashback. Material creates a special hazard because part of the solvent floats on water.			

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): Oxidizing agents such as hydrogen peroxide, nitric acid, chromium trioxide.	
Conditions to Avoid: None	
Hazardous Decomposition Products: Carbon monoxide and dioxide	

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: None
Inhalation: Headache, drowsiness
Eye contact: Irritation to eyes and mucous membrane.
Skin contact: Defatting of skin
Ingestion: Irritant
CHRONIC EFFECTS: no information available.
Medical conditions Generally Aggravated by Exposure: Dermatitis

EMERGENCY FIRST AID PROCEDURES

Eye Contact: Wash with water for 15 minutes. Get medical attention.
Skin Contact: Wash with soap and water
Inhalation: Remove to 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): In closed areas, use a NIOSH/MSHA approved face mask
Protective Gloves: Neoprene
Eye Protection: Safety goggles
Ventilation Requirements: normal room ventilation is usually adequate.
Other Protective Clothing & Equipment: If desired, use impervious clothing.
Hygienic Work Practices: Keep away from children. No smoking in work area.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken if Material Is Spilled Or Released: Eliminate ignition sources. Place leaking containers in a well ventilated area. Dike area and pump into intact container. Flush spills with water or collect on absorbent materials.
Waste Disposal Methods: Incineration by a certified hazardous waste disposal firm in compliance with local, state and federal regulations.
Precautions To Be Taken In Handling & Storage: Store in a cool, well ventilated area. do not expose to temperatures above 120° F. Keep away from ignition sources.
Other Precautions &/or Special Hazards: Avoid breathing vapors. Use spark resistant tool. Avoid skin and eye contact with fluid.

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