

MATERIAL SAFETY DATA SHEET

DFA

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 | |
| | | Identity (trade name as used on label): CRACK CHECK DF DEVELOPER (aerosol) | |
| Prepared By: GS | | MSDS Number: DFA Revision: 7/1/2006 | |
| Information Calls: (800)334-4420 | | Manufactured for: Robinson Technical Products | |
| Emergency Response Number: CHEMTEL 1(800)255-3924 | | Atlanta, GA 30336 | |

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 | 500 | 400 | d |
| Isobutane | 75-28-5 | no | 1000 | 1000 | d |
| Propane | 74-98-6 | no | 1000 | 1000 | d |
| | | | | | |

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

| | |
|--|--|
| Boiling Point: NA | Specific Gravity (H2O=1): 0.920 |
| Vapor Pressure: (PSIG @ 70° F (Aerosols): psig max 60 | Vapor Pressure: (Non-Aerosols)(mm Hg and Temperature): NA |
| Vapor Density: (Air=1): NE | Evaporation Rate (BUAC=1): 1.3 |
| Solubility in Water: Partially Soluble | Water Reactive: None |

Appearance and Odor: White powdery spray with sweet 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 : FLAME EXTENSION

EXTINGUISHER MEDIA: Foam, CO2, dry chemical, water fog

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: See below. TLV of product 620 ppm est.

Inhalation: Headache, dizziness, nausea, if vapor concentration exceeds TLV could cause unconsciousness or be fatal.

Eye contact: Severe irritation

Skin contact: Possible mild irritation due to defatting of skin.

Ingestion: Nausea, respiratory irritation.

CHRONIC EFFECTS: Possible kidney damage.

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 if necessary. Seek medical attention.

Ingestion: Unlike route of exposure. DO NOT INDUCE VOMITING. Give several glasses of water. SEEK MEDICAL ATTENTION.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (specify type): If vapor concentration exceeds TLV, wear respirator approved by Burea of Mines.

Protective Gloves: Neoprene 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. Extinguish all ignition sources. Dike area and pump to intact container. Absorb residue and place in steel container.

Waste Disposal Methods: Aerosol cans, when vented to atmospheric pressure through normal use pose no problem. Dispose in accordance with federal, state and local regulations.

Precautions To Be Taken In Handling & Storage: Avoid breathing vapors. Do not puncture or incinerate container.

Store in cool dry location away from food stores. Keep container closed. Do not store at temperatures above 120° F.

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