

MATERIAL SAFETY DATA SHEET

387A

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-3; Reactivity-0; Special- | | | HMIS Rating: Health-2; 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): DYNAFLUX AL-OXIDE (aerosol) | | | |
| Prepared By: GS | | | MSDS Number: 387A | | 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* |
| Petroleum Distillates | | 64741-49-9 | yes | 500 | 500 | d |
| Xylol | | 1330-20-7 | yes | 500 | 100 | d |
| Aliphatic Hydrocarbon | | 8032-32-4 | yes | 500 | 100 | d |
| Isobutane/Propane blend | | 75-25-5 & 74-98-6 | no | 1000 | 1000 | d |
| MEK | | 78-93-3 | yes | 200 | 200 | d |
| Toluene | | 108-88-3 | yes | 100 | 100 | d |
| VOC: 89% | | | | | | |
| SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS | | | | | | |
| Boiling Point: 245+°F | | | Specific Gravity (H2O=1): .9928 | | | |
| Vapor Pressure: (PSIG @ 70° F (Aerosols): 70 psig | | | Vapor Pressure: (Non-Aerosols)(mm Hg and Temperature): ND | | | |
| Vapor Density: (Air=1): NE | | | Evaporation Rate (BUAC=1): .26 | | | |
| Solubility in Water: Negligible | | | Water Reactive: Negligible | | | |
| Appearance and Odor: Silver liquid with hydrocarbon odor. | | | | | | |
| SECTION 3 - FIRE AND EXPLOSION HAZARD DATA | | | | | | |
| FLAMMABILITY / USA FLAME PROJECTION TEST (aerosols): Extremely Flammable | | | Flammability Limits in Air by % in Volume: | | | |
| Auto Ignition Temperature: ND | | | %LEL: ND | | %UEL: ND | |
| FLASH POINT AND METHOD USED (non-aerosols): NA | | | EXTINGUISHER MEDIA: Foam, CO2, Dry Chemical | | | |
| SPECIAL FIRE FIGHT PROCEDURES: Water spray may be ineffective. Water should be used to cool containers. | | | | | | |
| Unusual Fire & Explosion Hazards: Keep material from heat, sparks and open flames. | | | | | | |
| 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): Ignition sources; strong oxidants | | | Conditions to Avoid: Keep materials from heat, sparks and open flames. | | | |
| Hazardous Decomposition Products: Carbon dioxide, carbon monoxide | | | | | | |
| SECTION 5 - HEALTH HAZARD DATA | | | | | | |
| PRIMARY ROUTES OF ENTRY: <input type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS | | | | | | |
| ACUTE EFFECTS: | | | | | | |
| Inhalation: Headache, nausea or impairment of reaction time and coordination. | | | | | | |
| Eye contact: Irritant | | | | | | |
| Skin contact: Prolonged or repeated contact may cause irritation. | | | | | | |
| Ingestion: Irritant | | | | | | |
| CHRONIC EFFECTS: | | | | | | |
| Medical conditions Generally Aggravated by Exposure: Asthma | | | | | | |
| EMERGENCY FIRST AID PROCEDURES | | | | | | |
| Eye Contact: Flush with water for at least 15 minutes and contact a physician. | | | | | | |
| Skin Contact: Wash with soap and water. | | | | | | |
| Inhalation: Take to fresh air. If breathing difficult contact a physician. Do not induce vomiting. Give several large glasses of water. | | | | | | |
| Ingestion: See a physician. Chemical pnueumonitis could result. | | | | | | |
| SECTION 6 - CONTROL AND PROTECTIVE MEASURES | | | | | | |
| Respiratory Protection (specify type): If in confined area use NIOSH approved respirator. | | | | | | |
| Protective Gloves: Required for prolonged contact. | | | | | | |
| Eye Protection: Safety glasses or splash shield | | | | | | |
| Ventilation Requirements: Sufficient to keep vapor concentration below given TLV and LEL. | | | | | | |
| Other Protective Clothing & Equipment: None normally necessary under ordinary product use. | | | | | | |
| Hygienic Work Practices: Wash after handling. | | | | | | |
| SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE | | | | | | |
| Steps To Be Taken if Material Is Spilled Or Released: Remove all sources of ignition and ventilate vapors. Absorb on an inert material. | | | | | | |
| Waste Disposal Methods: In accordance with local, state, and federal regulations. | | | | | | |
| Precautions To Be Taken In Handling & Storage: Keep away from heat, sparks and open flames. close containers after each use. | | | | | | |
| 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