

**MATERIAL SAFETY DATA SHEET**

**790B**

This MSDS complies with OSHA'S Hazard Communication standard 29 CFR 1910.1200 and OSHA Form 174

**IDENTITY AND MANUFACTURER'S INFORMATION**

<b>NFPA Rating:</b> Health-4; Flammability-0; Reactivity-1 ; Special-		<b>HMIS Rating:</b> Health-4; Flammability-0; Reactivity-1; Personal Protection-X	
Manufacturer's Name: <b>DYNAFLUX, INC.</b> 241 Brown Farm Rd. Cartersville, GA 30120		<b>DOT Hazard Classification:</b> Consumer Commodity ORMD 48580 Sub 3 <b>Identity (trade name as used on label):</b> <b>DYNAFLUX HTR-30 CHEMICAL HEAT TINT REMOVER</b>	
Prepared By: GS		<b>MSDS Number:</b> 790B	Revision: 4/13/2010
Information Calls: (800)334-4420		NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA	
<b>Emergency Response Number: CHEMTEL US: (800)-255-3924 / International: 813-248-0585</b>			

**SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION**

<b>COMPONENTS-CHEMICAL NAMES AND COMMON NAMES</b> (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS NUMBER	SARA III LIST	OSHA PEL (PPM)	ACGIH TLV (ppm)	Carcinogen Ref. source*
Ammonium Bifluoride	1341-49-7	yes	6	3	No
Nitric Acid	7697-37-2	yes	4	2	No
VOC: 0%					

**SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS**

<b>Boiling Point:</b> 215°F	<b>Specific Gravity (H2O=1):</b> 2.1
<b>Vapor Pressure:</b> (PSIG @ 70° F (Aerosols): NA	<b>Vapor Pressure:</b> (Non-Aerosols)(mm Hg and Temperature): ND
<b>Vapor Density:</b> (Air=1): .62	<b>Evaporation Rate (BUAC=1):</b> 1
<b>Solubility in Water:</b> COMPLETE	<b>Water Reactive:</b> NO
<b>Appearance and Odor:</b> White paste / pungent odor	

**SECTION 3 - FIRE AND EXPLOSION HAZARD DATA**

<b>FLAMMABILITY as per USA FLAME</b>	<b>Auto Ignition Temperature</b>	<b>Flammability Limits in Air by % in Volume:</b>	
<b>PROJECTION TEST (aerosols)</b> NA	None	<b>%LEL:</b> None	<b>%UEL:</b> None

**FLASH POINT AND METHOD USED (non-aerosols):** None T.C.C.  
**EXTINGUISHER MEDIA:** That compatible with environment  
**SPECIAL FIRE FIGHT PROCEDURES:** Wear self-contained breathing apparatus.  
**Unusual Fire & Explosion Hazards:** Solutions of the product are corrosive. Acid burns may not be immediately apparent.

**SECTION 4 - REACTIVITY HAZARD DATA**

**STABILITY:**  STABLE  UNSTABLE **HAZARDOUS POLYMERIZATION**  WILL  WILL NOT OCCUR  
**Incompatibility (Mat. to Avoid):** Glass, concrete, sulfides, cyanides, metals, alkalis.  
**Conditions to Avoid:** High heat  
**Hazardous Decomposition Products:** Oxides of nitrogen, hydrogen fluoride

**SECTION 5 - HEALTH HAZARD DATA**

**PRIMARY ROUTES OF ENTRY:**  INHALATION  INGESTION  SKIN ABSORPTION  EYE  NOT HAZARDOUS  
**ACUTE EFFECTS:**  
**Inhalation:** Can cause nose and throat burns, which may not be immediately painful or visible.  
**Eye contact:** Causes severe burns.  
**Skin contact:** Causes sever burns which may not be immediately painful or visible.  
**Ingestion:** Causes sever mouth, throat and stomach burns, can effect kidney function and be fatal if swallowed.  
**CHRONIC EFFECTS:** Joint changes.  
**Medical conditions Generally Aggravated by Exposure:** Asthma

**EMERGENCY FIRST AID PROCEDURES**

**Eye Contact:** Flush immediately with water for 15 minutes. Call a physician. Prompt medical attention is essential.  
**Skin Contact:** Flush immediately with large quantities of water. Immerse, flush or apply compresses with iced 1% - 5% quaternary ammonia chloride in ethyl or isopropyl alcohol.  
**Inhalation:** Move to fresh air. Get medical attention immediately!  
**Ingestion:** Do not induce vomiting! Give large quantities of water followed by 1 oz. milk of magnesia or aluminum hydroxide gel in equal amounts of water or whites of 2-3 eggs; followed by milk or olive oil. Call a physician.

**SECTION 6 - CONTROL AND PROTECTIVE MEASURES**

**Respiratory Protection (specify type):** Use respirator approved by NIOSH for hydrogen fluoride gas.  
**Protective Gloves:** PVC gloves  
**Eye Protection:** Safety glasses or face shield.  
**Ventilation Requirements:** Mechanical generally needed.  
**Other Protective Clothing & Equipment:** Rubber apron and boots, long sleeve clothing.  
**Hygienic Work Practices:** Wash with soap and water before eating, smoking or touching yourself.

**SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE**

**Steps To Be Taken if Material Is Spilled Or Released:** Keep everyone away from the area. Wear full protective clothing described in Section 6. Ventilate area. Contain spill, then carefully dilute with water and cautiously neutralize with soda ash. Flush area according to applicable disposal regulations.  
**Waste Disposal Methods:** Triple rinse container with cold water, then dispose of empty container and residual product according to federal, state and local regulations.  
**Precautions To Be Taken In Handling & Storage:** Store in a tightly sealed container away from alkalis and excessive heat. Do not store in glass container.  
**Other Precautions &/or Special Hazards:** Anyone who knows or suspects he has come into contact with this product should follow first aid directions and seek medical attention. **KEEP OUT OF THE 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