

MATERIAL SAFETY DATA SHEET

HTR120

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-3 ; Flammability-0 ; Reactivity 0 ; Special-		HMIS Rating: Health-3; Flammability-0; Reactivity-1 ; Personal Protection-	
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): HTR-120 SOLUTION	
Prepared By: GS		MSDS Number: HTR120 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*
Phosphoric Acid	7664-38-2	yes	IMG / M3	IMG / M3	d
Beta Hydrooxytri carboxy acid	77-92-9	no	N/E	N/E	d
VOC: 0%					

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 220° F	Specific Gravity (H2O=1): 1.014
Vapor Pressure: (PSIG @ 70° F (Aerosols): NA	Vapor Pressure: (Non-Aerosols)(mm Hg and Temperature): 17mmHg @ 20° C
Vapor Density: (Air=1): .62	Evaporation Rate (HOH=1): 1
Solubility in Water: Completely	Water Reactive: NO
Appearance and Odor: Clear, odorless liquid	

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) N/A	NA	%LEL: NA	%UEL: NA
FLASH POINT AND METHOD USED (non-aerosols): None to boiling T.C.C.	EXTINGUISHER MEDIA: Water fog		
SPECIAL FIRE FIGHT PROCEDURES: None	Water may be used to extinguish fire by cooling and diluting.		
Unusual Fire & Explosion Hazards: Acid reacts with most metals to release hydrogen gas.			

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 Alkalis	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 checked="" type="checkbox"/> SKIN ABSORPTION <input checked="" type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS
ACUTE EFFECTS:
Inhalation: Irritant
Eye contact: Causes burns
Skin contact: Slight irritation
Ingestion: Irritant
CHRONIC EFFECTS:
Medical conditions Generally Aggravated by Exposure: Dermatitis

EMERGENCY FIRST AID PROCEDURES

Eye Contact: Flush with water for at least 15 minutes. Get medical attention.
Skin Contact: Flush with water - remove contaminated clothing.
Inhalation: Move to fresh air.
Ingestion: Do not induce vomiting, give water, milk or milk of magnesia. Get medical attention.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (specify type): None normally needed
Protective Gloves: Rubber or plastic
Eye Protection: Face shield
Ventilation Requirements: Provide sufficient ventilation to maintain exposure below TLV.
Other Protective Clothing & Equipment: Eye Shield and protective gloves (rubber or plastic).
Hygienic Work Practices: Wear impervious clothing and boots.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken if Material Is Spilled Or Released: Dike area and pump to a intact container. Neutralize area with soda ash. Flush to sewer.
Waste Disposal Methods: Dispose in accordance with federal, state and local regulations.
Precautions To Be Taken In Handling & Storage: Do not expose to strong alkalis. Store in cool dry area.
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