

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard
29CFR 1910. Standard must be consulted for specific requirements.

Product: **Dyna Flo Phos Acid**

QUICK IDENTIFIER

Common Name: DynaPhos, Flo Phos Acid, 0-54-0

Phosphoric Acid, Dyna Phos 0-54-0

SECTION 1 - COMPANY INFORMATION

Manufacturer's Name:	Chemical Dynamics, Inc.	Emergency Telephone Number:	1-800-424-9300
Address:	4206 Business Lane	Other Information Call:	1-813-752-4950
City, State, and Zip	Plant City, Florida 33566	Date Prepared:	10/24/05

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) (chemical & common name(s))	OSHA PEL	ACGIH TLV	EXPOSURE LIMITS	CAS NO.
Phosphoric Acid	1 mg/m3	1 mg/M3		7664-38-2

SECTION 3- PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point:	290 °F	Specific Gravity:	1.57	Vapor Pressure:	N/A
Vapor Pressure:	8-2 MM	Reactivity in Water:	Soluble	Melting Point:	N/A
Appearance and Odor:	Clear/nearly colorless viscous liquid/pungent odor when hot.				

SECTION 4- FIRE & EXPLOSION DATA

Flash Point:	N/A °F	Method Used:	N/A		
Flammable Limits in Air:	N/A	LEL Lower:		UEL Upper:	
Auto-Ignition Temp:	N/A	Extinguisher Media:	Non flammable if involved in fire, can extinguish with dry chemical; CO ₂ , water spray or foam.		

Special Fire Fighting Procedures: This product is non-flammable, and does not support combustion. Use of SCBA is recommended.

Unusual Fire and Explosion Hazards: If this product is heated to an anhydrous state oxides of phosphorus can be toxic. Exposure to high heat can emit toxic vapors.

SECTION 5- PHYSICAL HAZARDS (REACTIVITY DATA)

Stability: ☒ Stable ☐ Unstable Conditions to Avoid: Excessive heat

Incompatibility Materials to Avoid!: Phosphoric acid could result in insoluble metal phosphates if mixed with fertilizers containing Iron, Manganese, Zinc or Copper. Avoid sulfides and sulfites that may generate toxic gases.

SECTION 5- PHYSICAL HAZARDS (REACTIVITY DATA)..Continued

Hazardous Decomposition Products: Oxides of Phosphorus

Hazardous Polymerization: May Occur: ☐ Will Not Occur: ☒

Conditions to Avoid: Extreme Heat.

SECTION 6- HEALTH HAZARDS

ACUTE: Corrosive and toxic. Mild skin irritant, conjunctivitis, upset stomach and/or gastrointestinal symptoms are temporary.

CHRONIC: Prolonged skin contact may result in dermatitis (drying) or eczema (itching) or chemical burns.

CARCINOGEN LISTED IN: ☐ NTP IARC MONOGRAPH ☒ OSHA NOT LISTED**ROUTES OF ENTRY AND EMERGENCY FIRST AID PROCEDURES**

- | | |
|----------------|---|
| 1. Inhalation: | No hazard under normal conditions. If necessary move victim to fresh air. If symptoms persist, call a physician. Administer CPR if necessary. |
| 2. Eyes: | Flush eyes with running water for 15 minutes. If redness persists, seek medical attention |
| 3. Skin: | Remove contaminated clothing, wash with clean water and soap. Put on clean clothes. |
| 4. Ingestion: | Give large amounts of water. DO NOT INDUCE VOMITING. Call physician immediately. |

SECTION 7- SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES**Precautions to be Taken**

Handling and Storage: Store in cool ventilated place away from fire hazards, excessive heat, flammable or easily oxidizable materials. Do not allow product to dry out.

Other Precautions: Do not allow product to go below 35 degrees. Apply product in open areas. Keep away from children and pets. Do not contaminate feed, seed or any water sources.

Steps to be taken in case of Release or Spill:

Dike area and maximize recovery. Pump into a tank or absorb with diatomaceous earth or sand. Sweep up and place into containers for land application at recommended rates. Prevent entry into sewer or waterways.

Environmental Precautions:

Relatively low toxicity to fish and aquatic organisms. Do not contaminate any waterway, lake, stream or estuary by direct application of cleaning of equipment or disposal. Triple rinse containers and offer for recycling or dispose of in an approved landfill. Consult Federal, state and local regulations for proper disposal.

SECTION 8- CONTROL AND PROTECTIVE MEASURES

Respiratory Protection: None required if used in open under normal conditions.
Respiratory protection may be required in the event of a spill in an enclosed area.
Use SCBA when fighting fires.

Protective Gloves: Impervious gloves from rubber or nitrile.

Eye Protection: Side-shielded safety glasses or chemical splash-proof goggles.

Other Protective Clothing or equipment: Eye wash station with safety shower. Use of a chemically resistant apron may be required for some activities.

Hygienic Work Practice Bathe and change clothes daily. Wash contaminated clothing separate from other laundry.

SECTION 9- TRANSPORT AND REGULATORY INFORMATION

MATERIAL IS HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION

Proper Shipping Name: Phosphoric Acid

Hazard Class Number: 8

Description: Phosphoric Acid

UN Identification Number: 1805

Packing Group: III

DOT Label(s) Required: Corrosive

NFPA CODE: Health = 3 Flammability = 0 Reactivity = 1

Toxicity:
