

# MATERIAL SAFETY DATA SHEET

## EMERGENCY PHONE

1-800-255-3924

1-612-672-0022

### SECTION 1: PRODUCT IDENTIFICATION

TRADE NAME	PRODUCT TYPE	CODE IDENTIFICATION
Dalco Dish Delimer	Phosphoric Acid & Surfactant in Water	#503X

**DOT SHIPPING NAME:** Corrosive liquid NOS—containing phosphoric acid UN 1760.

### SECTION 2: HAZARDOUS INGREDIENTS

	CAS NUMBER	%	EXPOSURE CRITERIA
Phosphoric Acid (H3P04)	7664-38-2	30-60	1 mg/m3
Hydroxy Acetic Acid	000079-14-1	0-5	Not Established

NFPA Hazard Signal:

HMIS:

4=Extreme

3=High

2=Moderate

1=Slight

0=Insignificant

Health=3

Stability=0

Flammability=0

Special=None

DOT Hazard Class: Corrosive Material

EPA Hazard Waste Class: Corrosive Material

### SECTION 3: PHYSICAL DATA

Boiling Point: 760 mm Hq: 212F

Freezing Point: N/A

Specific Gravity (Water=1): N/A

Vapor Density (AIR=1): N/A

% Volatiles By Volume:

Melting Point: N/A

Vapor Pressure @ : Similar to water

Solubility in Water: Complete

Evaporation Rate (BuAc=1): <1

pH of 1%: 1.7

Appearance & Odor: Clear, colorless liquid  
Detergent odor

### SYMPTOMS AND EFFECTS OF EXPOSURE:

EYES: Causes burns

SKIN: Causes burns

INGESTION: Slightly toxic with repeated ingestion

MATERIAL SAFETY DATA SHEET (continued)

#### **SECTION 4: FIRE & EXPLOSION HAZARD DATA**

---

FLASH POINT (& METHOD USED)    FLAMMABLE LIMITS IN AIR % BY VOLUME    AUTO IGNITION TEMPERATURE  
N/A                                      Lower N.A                                      Upper N.S.

EXTINGUISHING MEDIA: Not flammable or combustible.

SPECIAL FIRE FIGHTING PROCEDURES:

UNUSUAL FIRE AND EXPLOSION HAZARD: Thermal decomposition emits toxic fumes or oxides of phosphorous.

#### **SECTION 5 REACTIVITY DATA**

---

STABILITY (Normal Conditions): Stable                                      Conditions to Avoid: Reaction with some metals may produce hydrogen gas which is explosive with air and a spark.

INCOMPATIBILITY (Materials to Avoid): Alkali (bases); Reactive metals, aluminum, steel, cyanides, sulfites or nitrites.

HAZARDOUS DECOMPOSITION PRODUCTS: At flame temperatures, can emit toxic phosphorous oxide fumes.

HAZARDOUS POLYMERIZATION: Will not occur

#### **SECTION 6: HEALTH HAZARD INFORMATION**

---

TOXITY INFORMATION:

EFFECTS OF OVEREXPOSURE: Irritant, slightly toxic when inhaled or ingested. Causes burns to exposed tissue.

#### **EMERGENCY AND FIRST AID PROCEDURES:**

EYE: Immediately flush copiously with running water for 15 minutes. **SEEK MEDICAL ATTENTION!**

SKIN: Immediately flush copiously with running water for 15 minutes. **SEEK MEDICAL ATTENTION!**

INGESTION: **SEEK MEDICAL ATTENTION**

INHALATION: **SEEK MEDICAL ATTENTION**

COMMENTS:                      N.A. = NOT APPLICABLE                      N.D. = NOT DETERMINED

## **MATERIAL SAFETY DATA SHEET (continued)**

### **SECTION 7: SPECIAL PROTECTION INFORMATION**

---

Ventilation Requirements: General mechanical ventilation desirable.

Respiratory Protection (Specify Type): For severe vapor or mist, use NIOSH certified self-contained air pack.

Eye Protection: Chemical safety goggles or face shield and goggles.

Gloves: Rubber or neoprene

Other Protective Clothing and Equipment: Where contact is likely, rubber apron and boots.

### **SECTION 8: SPILL OR LEAK PROCEDURES**

---

**Steps To Take If Material Is Released Or Spilled:** Soak and neutralize. Keep in separate waste containers. After neutralization, landfill should normally be suitable, but check with federal, state, and local codes.

Dispose according to environment regulations.

### **SECTION 9: SPECIAL PRECAUTIONS**

---

**Precautions To Be Taken In Handling And Storage:** Store in cool, dry, well ventilated location.

Other Precautions: Store in suitable containers only (glass, fiberglass, polyethylene lined drums or 316SS).

**The information accumulated herein is believed to be accurate but is not warranted to be whether originating with manufacturer or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.**

**NATIONAL PURITY, LLC.  
6840 Shingle Creek Parkway  
Suite #23  
Brooklyn Center, MN 55430**

**(612) 672-0022**