



10743 Edison Court • Rancho Cucamonga, CA 91730

MATERIAL SAFETY DATA SHEET  
**DESCALER 60**

IN CASE OF EMERGENCY  
DAYTIME: 800-421-4822  
24 HOURS: 800-255-3924

**SECTION 1-PRODUCT IDENTIFICATION** 9/03  
Trade name: DESCALER 60  
Description: Phosphoric Acid mixture  
DOT Information: CORROSIVE

HEALTH 3 EXTREME DANGER  
FIRE 0 WILL NOT BURN  
REACTIVITY 0 STABLE  
SPECIFIC

SECTION 2-HAZARDOUS INGREDIENTS					
Components	CAS Number	OSHA PEL	ACGIH TLV	UNIT	Approx. %
Phosphoric Acid	7664-38-2	1 mg/M3	(1 mg/M3 for 15 minutes)		65%

SECTION 3-PHYSICAL DATA			
BOILING POINT	> 212 F	SPECIFIC GRAVITY (H2O=1)	1.42
VAPOR PRESSURE (mmHg)	< 18.00	VAPOR DENSITY (AIR=1)	> 1.0
EVAP RATE (WATER=1)	< 1	pH (Neat)	1.3
APPEARANCE	Red Liquid		
ODOR	Mild		
SOLUBILITY IN WATER	Miscible		

**SECTION 4-FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT: NA FLAMMABILITY LIMITS: LOWER: NA UPPER: NA  
EXTINGUISHING MEDIA  
Water, foam, dry chemical or carbon dioxide for fires in storage areas.  
SPECIAL FIREFIGHTING PROCEDURES  
Firefighters should wear full turnout gear and self-contained breathing apparatus. Water solutions of Phosphoric acid are strongly acidic.  
UNUSUAL FIRE & EXPLOSION HAZARDS  
May react with active metals to produce flammable hydrogen.

**SECTION 5-HEALTH HAZARD DATA**

**EFFECTS OF OVEREXPOSURE**  
Inhalation: Severe irritant to mucous membranes and respiratory system. Possible burns and tissue damage.  
Skin Contact: Will cause corrosive action on contact with skin. Severe burns to tissue may result.  
Eye Contact: Severe burns and possible eye damage may occur.  
Ingestion: Severe irritation and burns to mucous membranes and digestive tract.

Note: Chronic exposure may cause skin, mucous membranes, or respiratory tract ulcer(s)ation, or allergic reaction.

**SECTION 6- FIRST AID MEASURES**

Inhalation: Move to fresh air. If breathing stops, give artificial respiration. Call a Physician immediately.  
Skin Contact: Wash skin thoroughly with soap and water. Remove contaminated clothing and shoes, wash before reuse. Seek medical attention if irritation persists after washing.  
Eye Contact: IMMEDIATELY, Flush eyes with large quantities of running water for a minimum of 15 minutes. Seek medical attention should irritation persist.  
Ingestion: If conscious DO NOT induce vomiting. Drink large quantities of water or milk. Call a physician or the nearest Poison Control Center.

**SECTION 7-REACTIVITY DATA**

STABILITY: Stable HAZARDOUS POLYMERIZATION: Will not occur  
INCOMPATIBILITY: Keep material away from strong oxidizing agents and strong caustics. Contact with aluminum, zinc and other metals can generate hydrogen, which is explosive. Be aware of exothermic reaction.  
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: Not available  
CONDITIONS TO AVOID: Metal contact: Liberates hydrogen, which is explosive.

CHEMICATOR PRODUCTS 10743 Edison Ct. Rancho Cucamonga, CA 91730	MATERIAL SAFETY DATA SHEET <b>DESCALER 60</b>	IN CASE OF EMERGENCY DAYTIME: 800-421-4822 24 HOURS: 800-255-3924
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**SECTION 8-SPILL OR LEAK PROCEDURES**

**SPILL PROCEDURE:** Wear self-contained breathing apparatus and full protective clothing. Stop leak if you can do so without risk. Neutralize spill and/or washings with soda ash or lime. Flush spill area with water to remove traces.  
**WASTE DISPOSAL METHOD:** Use DOT approved containers for waste disposal. Dispose of all waste according to Federal, State, and Local regulations.

**SECTION 9-SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION:** NIOSH approved respirator (acid gas/organic vapor cartridge) in the absence of adequate environmental controls at the point of use.  
**EYE PROTECTION:** Chemical goggles and face shield.  
**SKIN PROTECTION:** Rubber gloves, rubber suit, and rubber boots.  
**OTHER CLOTHING:** Standard industrial clothing.  
**ENGINEERING CONTROLS:** Normal.

**SECTION 10-HANDLING AND STORAGE**

**SPECIAL PRECAUTIONS:** Store in a dry protected location. Keep container closed when not in use.  
**OTHER PRECAUTIONS:** An eyewash and safety shower should be nearby and ready for use.

**SECTION 11-TRANSPORTATION INFORMATION**

**DOT CLASSIFICATION:** Corrosive Liquid, NOS, 8, UN 1760, PG III, (Contains Phosphoric Acid)  
**WARNING LABEL:** CORROSIVE

**REGULATORY INFORMATION**

**RCRA Status:** D002  
**CERCLA Status:** Reportable quantity for Phosphoric Acid: 5000 lbs.  
**SARA/Title III-Section 304 Emergency notification reporting.** This product contains a Section 304 listed hazardous substance for emergency release notification.  
Section 302 Emergency Planning Notification/Threshold Planning Quantities: No (X) Yes ( )  
**SARA/Title III- Section 313 Toxic chemical release reporting.** This product contains a Section 313 listed chemical subject to release reporting requirements.  
**TSCA Inventory Status-** All chemical components are listed on TSCA Inventory.  
**California Proposition 65 Status-** This product does not contain chemicals currently on the California list of known carcinogens and/or reproductive toxins.

**OTHER INFORMATION**

NA= Not Applicable  
ND= Not Determined  
NE= Not Established

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