

C64110

# MATERIAL SAFETY DATA SHEET

HMIS HAZARDOUS MATERIALS IDENTIFICATION SYSTEM

(Prepared According to 29 CFR 1910.1200)

A = Safety Glasses  
B = A + Gloves  
C = B + Apron  
D = C + Face Shield  
E = B + Dust Mask

F = C + Dust Mask  
G = B + Respirator  
H = F + Goggles  
I = B + Respirator  
X = Ask Supervisor

4 = Extreme  
3 = High  
2 = Moderate  
1 = Slight  
0 = Insignificant

Health.... 2  
Flammability.... 0  
Physical Hazard.... 0  
Protection.... C

## SECTION I - PRODUCT IDENTIFICATION

**Product Code: 411** Supersedes date: December 6, 2007 Section(s) changed: I, II Effective date: December 22, 2008

PRODUCT NAME: SCALE-X CHEMICAL FAMILY: Acid Detergent Cleaner Descaler  
GENERIC NAME: Concentrated delimer FORMULA: Proprietary Mixture  
DISTRIBUTORS NAME: DISTRIBUTORS ADDRESS:  
INFORMATION PHONE NUMBER: 314-771-6600  
EMERGENCY PHONE NUMBER IN THE EVENT OF CHEMICAL EMERGENCIES INVOLVING A SPILL, LEAK, FIRE OR ACCIDENT: CHEMTREC 800-424-9300  
PROPER SHIPPING DESCRIPTION: > 1 Gal: Corrosive liquid, acidic, inorganic, n.o.s. (Contains phosphoric acid), 8, UN3264, III LABEL: Corrosive  
<= 1 Gal: Consumer Commodity, ORM-D LABEL: None

## SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS No.	Wt%	OSHA PEL	ACGIH TLV	RQ
Phosphoric Acid	7664-38-2	<40	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>	

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## SECTION III - PHYSICAL/CHEMICAL DATA

Boiling Point (°F): 212 Specific Gravity: 1.21  
Vapor Pressure (mm Hg): 17 Lbs/Gal Density:  
10.1  
Vapor Density (Air=1): 0.62 pH Concentrate: 1.4  
Evaporation Rate: (Water=1): GT 1.0 pH Use Dilution: 1.3  
Solubility in Water: Complete  
Physical Description: Clear Pale Green Thin Liquid  
Pleasant Mild Odor

## SECTION IV - FIRE & EXPLOSION HAZARD DATA

FLASH POINT (Method Used): None LIMITS: LEL: NA UEL: NA  
EXTINGUISHING MEDIA: Water spray or fog, foam, dry chemical, carbon dioxide, alcohol foam, if product is involved.  
SPECIAL FIRE FIGHTING PROCEDURES: Avoid exposure to fumes or vapors. Wear self-contained positive pressurized breathing apparatus MSHA/NIOSH Approved or equivalent to maintain TLV.  
UNUSUAL FIRE & EXPLOSION HAZARD: Use water spray to cool adjacent fire exposed containers. May generate hydrogen gas in contact with some metals. Product will not burn but may splatter if temperature exceeds boiling point.

## SECTION V - REACTIVITY DATA

Stability: Stable. Store in a cool dry place.  
Hazardous Polymerization: Will not occur.  
Incompatibility (Materials to Avoid): Strong alkalies; Cyanides.  
Hazardous Decomposition Products: If burned, normal combustion products:  
Hydrogen gas in contact with some metals. Phosgene.

## SECTION VI - STORAGE & HANDLING INFORMATION

KEEP OUT OF REACH OF CHILDREN. DANGER.  
Do not contaminate water, food or feed. Avoid all contact. Store upright in original closed container.  
Other Precautions: Do not get in eyes, on skin or on clothing. Remove & wash contaminated clothing before reuse.

## SECTION VII - HEALTH HAZARDS AND FIRST AID

Carcinogenicity:	NTP?	IARC Monographs?	OSHA REGULATED?
NE	NE	NE	YES

EFFECTS OF OVEREXPOSURE: SKIN: Severe burns  
EYES: Severe burns  
INHALATION: Burns  
INGESTION: Severe burns

EMERGENCY FIRST AID PROCEDURES:  
SKIN: Flush with flowing water for 15 minutes. See physician if irritation persists.  
EYES: Flush with flowing water for 15 minutes & see physician.  
INHALATION: Remove to fresh air.  
INGESTION: Give milk or water to dilute material; DO NOT induce vomiting. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: (Specify type) Normal room ventilation  
VENTILATION: Local exhaust preferred. Mechanical (general) acceptable. Avoid breathing vapor or spray.  
PROTECTIVE GLOVES: Acid proof.  
EYE PROTECTION: Splash proof chemical goggles.  
OTHER PROTECTIVE EQUIPMENT: Impervious rubber boots & apron. Eye wash facilities. Safety Shower.  
WORK/HYGIENIC PRACTICES: Practice good personal hygiene. Wash after handling. Shower at end of work period.

## SECTION IX - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Mop up & flush to sewer with plenty of water. Floors may be slippery. Use care to avoid falls. Neutralize with sodium bicarbonate.  
WASTE DISPOSAL METHOD: Dispose of in accordance with applicable Federal, State & Local regulations.

## SECTION X - ADDITIONAL FEDERAL REGULATIONS

SARA TITLE III (EPCRA) NOTIFICATION: PHOSPHORIC ACID [Reportable under section 313 and section 6607 of the Pollution Prevention Act]  
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA) NOTIFICATION: PHOSPHORIC ACID  
For more information, consult 40 CFR parts 302, 355, 370, 372, and 40 CFR part 68.

NE - Not Established NA - Not Applicable GT - Greater Than

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