

# MATERIAL SAFETY DATA SHEET

(Prepared According to 29 CFR 1910.1200)

## HMIS HAZARDOUS MATERIALS IDENTIFICATION SYSTEM

A = Safety Glasses  
Gloves  
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...  
Flammability...  
Reactivity... 0  
Protection... C

**Product Code: 411** Supersedes date: NA

### SECTION I - PRODUCT IDENTIFICATION

Section(s) changed: NA

Effective date: June 20, 1997

PRODUCT NAME: SCALE-X

GENERIC NAME: Concentrated delimer

DISTRIBUTORS NAME: Tresko

INFORMATION PHONE NUMBER: 913-631-6900

EMERGENCY PHONE NUMBER IN THE EVENT OF CHEMICAL EMERGENCIES INVOLVING A SPILL, LEAK, FIRE OR ACCIDENT:

PROPER SHIPPING DESCRIPTION: > 1 Gal: Compounds, cleaning liquid (Contains phosphoric acid), 8, NA1760, III  
≤ 1 Gal: Consumer Commodity, ORM-D

CHEMICAL FAMILY: Acid Detergent Cleaner Descaler

FORMULA: Proprietary Mixture

DISTRIBUTORS ADDRESS: 6218 Melrose

Shawnee, KS 66203

LABEL: Corrosive

LABEL: None

### SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS No.	WT%	OSHA PEL	ACGIH TLV	OTHER	HAZARDOUS
Phosphoric Acid	7664-38-2	<35	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>		YES
Hydrochloric Acid	7647-01-0	<5	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>		YES
Citric Acid	77-92-9		NE	NE		NO

The information & recommendations set forth herein are presented in good faith & believed to be current & reliable. The manufacturer makes no representation as to the completeness or accuracy thereof & supplies information upon the condition that the persons receiving same will make their own determination as to its suitability for their purpose prior to use. In no event will The manufacturer be responsible for any damage of any nature whatsoever resulting from the use of or reliance upon this information. No representation or warranty, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which it refers.

### SECTION III - PHYSICAL/CHEMICAL DATA

Boiling Point (°F): 212  
Vapor Pressure (mm Hg): 17  
Vapor Density (Air=1): 0.62  
Evaporation Rate: (Water=1): GT 1.0  
Solubility in Water: Complete  
Physical Description: Clear Pale Green Thin Liquid  
sant Mild Odor

Specific Gravity: 1.20  
Lbs/Gal Density: 10.0  
pH Concentrate: .5  
pH Use Dilution: 3.0

### 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 exposure 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 alkalis; 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: NE	NTP? NE	IARC Monographs? NE	OSHA REGULATED? 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.		

Always maintain TLV

### 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 slips. Neutralize with sodium bicarbonate.

WASTE DISPOSAL METHOD: Dispose of in accordance with applicable Federal, State &amp; Local regulations.

### SECTION X - ADDITIONAL FEDERAL REGULATIONS

§ III (EPCRA) NOTIFICATION: HYDROCHLORIC ACID, PHOSPHORIC ACID (BOTH Reportable under section 313 and section 6607 of the Pollution Prevention Act)  
RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) NOTIFICATION: This does not contain chemicals subject to the reporting requirements of RCRA  
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA) NOTIFICATION: HYDROCHLORIC ACID, PHOSPHORIC ACID  
or more information, consult 40 CFR parts 302, 355, 370, 372, and 40 CFR part 68.

IE - Not Established NA - Not Applicable GT - Greater Than Manufactured by: Intercon Chemical Company 1100 Central Industrial Drive, St. Louis, MO 63110