

MT. HOOD CHEMICAL CORPORATION (MT. HOOD SOLUTIONS)

14546 N. Lombard

Portland, Oregon 97203

Emergency Phone: 503-227-3505

N/A = NOT APPLICABLE

NA = NOT AVAILABLE

MATERIAL SAFETY DATA SHEET**PRODUCT NAME: SCALEX**

Date Printed: 5/8/2012

PRODUCT NAME: SCALEX

PREPARED BY: K. Woods

DATE: August 31, 1995

CHEMICAL FAMILY: Acid mixture

FORMULA: Proprietary

HAZARDOUS INGREDIENTS (CAS #):

	%	EXPOSURE LIMITS, ppm:	ACGIH TLV	OSHA-PEL
Phosphoric acid (7664-38-2) **	Less than 25%		1	1
Hydrochloric acid (7647-01-0) **	Less than 5%		5	5

** Ingredient subject to SARA Title III, Section 313 reporting requirements if annual usage exceeds 10,000 lbs.

CARCINOGENIC INGREDIENTS: Contains no known or suspected carcinogens.

PHYSICAL PROPERTIES:

Boiling Point: About 200°F

Solubility in Water: 100%

Specific Gravity - Liquid (H₂O = 1): 1.14-1.18

Odor and Appearance: Clear, light yellow liquid; pungent odor

% Volatiles: Non-volatile

% Volatile Organic Content (VOC): 0

Vapor Pressure: NA

Vapor Density (Air = 1): NA

FIRE AND EXPLOSION DATA:

Flash Point: None

Extinguishing Media: Water, CO₂, foam, dry chemical

Special Firefighting Procedures: Wash down any metal in contact with product with plenty of water. If large quantities are present, use self-contained breathing apparatus.

Flammability Limits: N/A

Unusual Hazards: None

HEALTH EFFECTS:

Effects of overexposure: Corrosive. May cause severe burns to eyes and skin. Ingestion may cause burns to mouth, throat, esophagus, and stomach. Inhalation of mist may result in mild irritation of nasal mucous membranes to severe irritation to the respiratory tract.

Chronic effects of overexposure: None known

Medical conditions that may be aggravated by exposure: None known

Primary routes of entry: Ingestion, skin contact, inhalation of mist.

EMERGENCY AND FIRST AID PROCEDURES:

Eye Contact: Flush thoroughly with plenty of water for at least 30 minutes or until medical attention is obtained. Get medical attention.

Skin Contact: Flush thoroughly from skin with water for at least 15 minutes. If burns are present or if irritation persists, seek medical attention.

Ingestion: Drink large quantities of water or milk and call a physician immediately. DO NOT INDUCE VOMITING. If vomiting occurs, give more water.

Never give anything by mouth to an unconscious person. Get immediate medical attention.

Inhalation of mist or vapor: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get prompt medical attention.

REACTIVITY DATA:

Stability: Stable

Incompatibility: Alkalies, chlorine bleaches, ammonia, metals

Hazardous Decomposition Products: Hydrogen chloride

Hazardous Polymerization: Will not occur

Conditions to Avoid: None

SPILL OR LEAKAGE PROCEDURES:

Steps to be taken if material is released or spilled: Prevent spread of spill by diking. Dilute with water and neutralize with lime or soda ash. Flush neutralized solution to sewer with plenty of water OR absorb neutral material on an absorbent. Place absorbed material in a closed container.

Waste disposal method: According to local, state, or federal ordinances.

SPECIAL PROTECTION INFORMATION:

Ventilation: Use with adequate ventilation.

Respiration Protection: For mist, use NIOSH approved respirator with acid gas canister.

Eye Protection: Safety goggles and/or face shield.

Protective Gloves: Impervious gloves--synthetic rubber, neoprene.

Other Protective Equipment: None

SPECIAL PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN.

Precautions to be taken in handling and storage: Store in closed container. Wash thoroughly after handling.

Other precautions: None

HAZARD RATING:

Health:	3	0 = Minimal	3 = Serious
Fire:	0	1 = Slight	4 = Severe
Reactivity:	0	2 = Moderate	

P R O D U C T I N F O R M A T I O N

SCALEX - ACID DESCALER/CLEANER

GENERAL DESCRIPTION:

SCALEX is a concentrated, powerful acid blend for use in removing lime scale and protein build-up from dishmachines, steam tables, animal cages, food processing equipment, tanks, lines, and other equipment. Completely biodegradable, contains no toxins or carcinogens. SCALEX quickly and effectively removes protein film and scale buildup, then rinses away to leave a bright, clean finish.

USDA Authorized for use in federally Inspected Meat and Poultry Processing Plants.

<u>PROPERTIES:</u>	Form:	Liquid
	Color:	Colorless
	Odor:	Slight acid
	Foam:	Controlled, Low Foam

USE DIRECTIONS:

Dishmachine:

For Initial Treatment: Add 1 pint SCALEX to a gallon of water. Turn off detergent. Fill machine with fresh water, add SCALEX solution and circulate until scale is dissolved. Drain machine and fill with fresh water. Add detergent and circulate for 5 minutes. Drain.

For Routine Maintenance: Add 1 to 3 oz. SCALEX per 3 gallons water. See above.

Steam Tables and Equipment: Dilute SCALEX 1 pint per gallon hot water. Let soak until lime scale dissolved. Drain and rinse.

Food Processing Equipment: Use at 1 - 4 oz. per gallon of water for normal to heavy scale and protein film removal. Rinse with potable water.

CAUTION:

Corrosive. Contains concentrated acids. May cause burns to skin or eyes. DO NOT ingest. Avoid breathing vapors. For contact with skin or eyes, flush immediately with plenty of water for at least 15 minutes. Get prompt medical attention for eyes, or if skin burns are present. Do Not Ingest. Consult the Material Safety Data Sheet for additional precautions.

KEEP OUT OF REACH OF CHILDREN.

<u>PACKAGING:</u>	4x1 gal./case
	55 gal. drum

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