

JUST371



HILLSBORO ELEMENTARY SCHOOLS

215 S.E. 8th Ave.
HILLSBORO, OR 97123

MATERIAL SAFETY DATA SHEET

CM 0138

PRODUCT NAME: SCALEX

PREPARED BY: K. Woods

DATE: August 6, 1991

CHEMICAL FAMILY: Acid mixture

FORMULA: Proprietary

HAZARDOUS INGREDIENTS (CAS #):

1

EXPOSURE LIMITS, ppm:

ACGIH TLV

OSHA-PEL

Phosphoric acid (7664-38-2)

Less than 25%

1

1

Hydrochloric acid (7647-01-0)

Less than 10%

5

5

CARCINOGENIC INGREDIENTS: Contains no known or suspected carcinogens.

PHYSICAL PROPERTIES:

Boiling Point: About 200°F

Solubility in Water: 100%

Specific Gravity - Liquid ($H_2O = 1$): 1.17-1.18

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

1 Volatiles: Non-volatile

1 Volatile Organic Content (VOC): 0

Vapor Pressure: NA

Vapor Density (Air = 1): NA

FIRE AND EXPLOSION DATA:

Flash Point: None

Flammability Limits: N/A

Extinguishing Media: Water, CO_2 , 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.

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

Hazardous Polymerization: Will not occur

Incompatibility: Alkalies, chlorine bleaches, ammonia, metals

Hazardous Decomposition Products: Hydrogen chloride

Conditions to Avoid: None

SPILL OR LEAKAGE PROCEDURES:

Steps to be taken if material is released or spilled:

Prevent spread of spill by diking.

Small spills (10 gallons or less): Dilute with water and neutralize with lime or soda ash. Flush neutralized solution to sewer with plenty of water.

Large spills: Dilute with water and neutralize with lime or soda ash. 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:

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

KEEP OUT OF REACH OF CHILDREN.

Other precautions: None

HAZARD RATING:

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