

MATERIAL SAFETY DATA SHEET**I. PRODUCT IDENTIFICATION**

Product Name: Fast Etch CAS number: N/A - mixture
 Chemical Name & Synonyms: N/A - mixture
 Appearance: Clear to light yellowish solution.
 Use: To convert or remove rust on ferrous metals in preparation for painting.
 Manufactured For: The Easthill Group dba/ The Eastwood Co.
 263 Shoemaker Road, Pottstown, PA 19464
 USA & Canada: 800-345-1178; Outside USA: 610-323-2200
 EMERGENCY PHONE No. CALL CHEMTREC (800) 424-9300 * Available 24 Hours

II. CHEMICAL COMPOSITION

<u>Material</u>	<u>SARA III</u>	<u>CAS Number</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Phosphoric Acid	--	7664-38-2	1 mg/m ³	1 mg/m ³
Zinc Phosphate	--	7543-51-3	---	---

Others, if any, are non-hazardous and are claimed as trade secret.

Hazard Rating: HMIS: (H =3 , F=0 , R=0 , PE=C) NFPA: (H=3 , F=0 , R=0)

III. POTENTIAL HEALTH EFFECTS AND HEALTH HAZARD DATA

Target organ statement: CAUTION: Strong irritant to skin, eyes and respiratory system. Dermatitis and possible burns. One or more compounds may absorb through skin.
 Effects of Chronic Exposure: No data available for the formulation.
 Effects of Acute Over Exposure
 Swallowing: Ingestion is likely to cause burns of the gastrointestinal tract and may be exacerbated by pre-existing skin or respiratory conditions.
 Skin Absorption: Phosphoric Acid, 75%, LD50>3160 mg/kg (rat).
 Inhalation: Mist may cause lung irritation, shortness of breath, fluid in lungs.
 Skin Contact: May produce serious chemical burns. Cause irritation.
 Eye Contact: Corrosive to eyes. Cause tissue destruction, permanent damage to the cornea, blindness.

IV. EMERGENCY AND FIRST AID PROCEDURES

Swallowing: Rinse mouth with water. Dilute by giving 1 to 2 glasses of water. Do not induce vomiting. Call a physician at once or your Poison Control Center.
 Skin: Promptly flush with water to remove all residue. If rash or burn develops, consult a physician.
 Inhalation: Remove to fresh air. If breathing discomfort occurs and persists, call a physician.
 Eyes: Flush with water for at least 20 minutes to remove all residue. Get medical help!

V. FIRE AND EXPLOSION DATA

Flashpoint (°F): N/A
 Flammable limits in air: LOWER: N/A UPPER: N/A (% by volume)
 Extinguishing media: Use water spray to keep fire exposed containers cool. Extinguish fire using agent suitable for surrounding fire.
 Special firefighting procedures: Full protective equipment required.
 Unusual fire and explosion hazards: May release hydrogen on contact with most metal.

VI. REACTIVITY INFORMATION

Stability considerations/Conditions to avoid: Stable/Excessive heat: decomposes forming oxides of phosphorus. Contact with metal may release hydrogen. Avoid contact with alkali.
 Hazardous polymerization/Conditions to avoid: Will not occur/None
 Incompatibility/Materials to avoid: Violent reaction with strong alkali, and metals.
 Hazardous combustion or Decomposition products: Hydrogen and oxides of phosphorus.

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Steps to be taken if material is released or spilled: Neutralize with lime. Contain, absorb, sweep-up and dispose. Flush area to chemical sewer. Prevent direct contact to skin, eyes, and clothes.

Waste disposal method: Dispose of in accordance with all local, state, and federal regulations.

VIII. SPECIAL PROTECTION INFORMATION

Respiratory protection: If the work station is not properly ventilated to exhaust all fumes and dusts, use a NIOSH approved mask for complete respiratory and eye protection.

Ventilation: Maintain air flow away from user to remove all fumes and dusts, so that the PEL is never exceeded. Adhere to environmental regulations for exhausts.

Protective gloves: Chemical and acid impervious

Eye protection: Chemical tight safety goggles. Do NOT wear contact lenses.

Other protective equipment: Full protective equipment normally used in chemical handling so as to prevent any contact.

IX. STORAGE, HANDLING AND SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage: Store material in tightly closed containers and keep away from foodstuffs. Wash thoroughly after handling to remove all residue. Vent containers occasionally.

Other precautions: Do NOT breathe fumes. Professionally wash contaminated clothing before re-use.

X. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (°F @ 760 mmHg): >212 Specific gravity (H₂O = 1 @ 72°F): 1.25

Percent volatiles by volume: N/A Solubility in water: Complete

Evaporation rate (butyl acetate = 1): N/A

XI. OPTIONAL INFORMATION

Department of Transportation: Regulated (Packaging exemption per 40CFR 173.6)

Proper shipping name: Corrosive liquid n.o.s. (Phosphoric Acid)

Hazard Class: 8

ID & Packing Group Number: UN1760, PG111

Additional Information: Domestic ground transportation not subject to regulation in packages one gallon or less, consumer commodity ORM-D material.

ERG Guide Number: ERG 154

Toxic Substance Control Act: All components of this compound are listed within the TSCA inventory.

Hazard Communication Program: Hazardous warnings and training requirements as mandated for corrosive material.(29 CFR 1919.1200)

SARA Title III Program: This product contains the following toxic chemicals subject to the reporting requirements of EPCRA of 1986 and 40 CFR 372. This information must be included in all MSDS that are copied and distributed for this material.

Chemical Name	CAS No.	Concentration
Zinc compounds	NA	<16%
Phosphoric Acid	7664-38-2	<21%

State Right-to-Know Programs:

Pennsylvania: This product contains the following chemicals listed in PA Code Title 34, Hazardous Substance List: **Phosphoric Acid**

California: This product contains the following compounds subject to the reporting and labeling requirements of Proposition 65: None

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NOTES: NA=Not Applicable NE=Not Established
 H=Health F=Fire R=Reactivity PE=Personal Equipment

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