DO THE JOB RIGHT.

DATE ISSUED: 5/12/15
SDS REF. No: 19415168ZP
VERSION NO.: 1

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FAST ETCH Acid-Based Rust Remover and Metal Prep

PRODUCT CODE: 19415ZP (Quart), 19416ZP (Pint), 19418ZP (Gallon)
SYNONYMS: N/A
CAS NUMBER: N/A
PRODUCT USE: Metal prep and rust removal
For professional use only.

MANUFACTURED FOR:
The Easthill Group
dba The Eastwood Company
263 Shoemaker Road,
Pottstown, PA 19464
USA: 1-800-345-1178 or (610) 323-2200
CANADA: 1-800-820-9042

24 HR. EMERGENCY TELEPHONE NUMBER
CHEMTREC: 1-800-424-9300 or 1-202-483-7616

2. HAZARDS IDENTIFICATION

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

CLASSIFICATION: CORROSIVE TO METALS: CATEGORY 1
SKIN CORROSION: CATEGORY 1A
SERIOUS EYE DAMAGE: CATEGORY 1

GHS label elements

PICTOGRAMS

SIGNAL WORD: Danger

HAZARD STATEMENTS: May be corrosive to metals. Causes severe skin burns and eye damage.

PRECAUTIONARY STATEMENTS:

PREVENTION: Read label before use. If medical advice is needed, have product container or label at hand. Do not handle until all safety precautions have been read and understood. Keep only in original container. Keep container tightly closed. Wash skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe mists or fumes.

RESPONSE: Get Medical attention if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF SWALLOWED: Do NOT induce vomiting. Rinse mouth with water and take victim immediately to hospital. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or other medical attention.

STORAGE: Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.

DISPOSAL: Absorb spillage to prevent material damage. Dispose of contents and container in accordance with all local, regional, national and international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Weight %	CAS Number
WATER	92.2	7732-18-5
PHOSPHORIC ACID	7.8	7664-38-2

4. FIRST AID MEASURES

EYES: Small amounts splashed into eyes can cause irreversible tissue damage and blindness. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, check for and remove contact lenses. Seek immediate medical attention.

SKIN: Immediate medical treatment is necessary, may cause burns and irritation. Remove contaminated clothing. Immediately flush exposed area with large amounts of water. Wash clothing separately and clean shoes before reuse.

INGESTION: Seek immediate medical attention, contact physician or poison control center. Do NOT induce vomiting unless directed to do so by medical professional. Clean mouth with water. Never give anything by mouth to an unconscious person.

INHALATION: Seek immediate medical attention. Remove from exposure to fresh air. If not breathing or if breathing is irregular, provide artificial respiration or oxygen by trained personnel; rescuers should put on appropriate protective gear.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:
Corrosive to skin, eyes, respiratory tract and ingestion. Harmful or fatal if swallowed. May cause severe skin burns and eye damage. Vapor harmful, inhalation may cause eye, skin, nose, throat and respiratory inflammation and irritation.

NOTES TO PHYSICIAN: No data available.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Dry Powder

FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Eliminate all sources of ignition. Evacuate unnecessary personnel. Use water spray to cool containers with caution, avoid spreading burning liquid. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

UNUSUAL FIRE AND EXPLOSION HAZARD: No data available.

HAZARDOUS COMBUSTION PRODUCTS: Phosphorous oxides, toxic fumes

6. ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS: Avoid runoff and contact with soil, drains, sewers and waterways. Prevent additional discharge of material if able to do so safely. Contact appropriate authority if spill is in excess of reportable quantity. Contact emergency personnel.

PERSONAL PRECAUTIONS: Do not breathe vapors, use suitable personal protective equipment, (see Section 8). Do not touch or walk through spilled material. Eliminate all ignition sources. No smoking, do not use flares. Evacuate the spill area. Ventilate spill area.

PROTECTIVE EQUIPMENT: See Section 8

EMERGENCY PRECAUTIONS: Be aware of vapor accumulation.

METHOD OF CLEANING UP: Small spill: Neutralize with alkaline material (soda ash, sodium bicarbonate, lime). Absorb with inert material (sand, sawdust or soil may be used in the absence of other suitable materials). Place in chemical waste container for disposal at appropriate waste disposal facility. Use non-sparking tools. Adequate ventilation is required.

Large spill: Dike spilled material, or otherwise contain material to ensure runoff does not reach a waterway. Collect spilled material using non-sparking tools; clean up in same manner as small spill. Place in chemical waste container for disposal at appropriate waste disposal facility.

Dispose of spilled material and contaminated absorbent material in compliance with local and national regulations, use a licensed waste disposal contractor, see Section 13.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Use only in a well ventilated area, with appropriate personal protective equipment, (see section 8). Do not eat, drink or smoke when handling this material. Wash hands and face before eating, drinking or smoking. Do not breathe vapor, fumes or mist. Do not get in eyes, or on skin, or clothing. When diluting never pour water into acid, slowly add the acid to water.

CONDITIONS FOR SAFE STORAGE INCLUDING INCOMPATIBILITIES: Keep out of reach of children and pets at all times. Keep in original container; do not transfer into other containers. Do NOT transfer to a metal container; container must be acid resistant plastic. Keep container tightly closed. Store in cool, dry, ventilated area. Do not mix with other chemicals; avoid contact with ammonia, bleach or nitromethane. Keep out of direct sunlight and away from heat.

OTHER PRECAUTIONS: Empty containers retain product residue, do not reuse container. Dispose of empty container in compliance with local and national regulations, use a licensed waste disposal contractor, see Section 13.

8. EXPOSURE CONTROLS\PERSONAL PROTECTION

EXPOSURE LIMITS

Components	CAS	Limits
PHOSPHORIC ACID	7664-38-2	ACGIH TWA 1 mg/m3 NIOSH REL 1 mg/m3 OSHA Z-1 1 mg/m3

ENGINEERING CONTROLS: Use only with adequate ventilation. Provide explosion proof exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: Always wear an appropriate, properly fitted fresh-air supplied respirator, (NIOSH-approved TC-19C or equivalent), during and after application, until all organic vapors and spray mists are exhausted or any time airborne contaminate levels exceed exposure limits. Follow respirator manufacturer's directions and observe OSHA regulations for respirator use (29 cfr 1910.134).

EYES PROTECTION: Wear chemical splash goggles or face shield (ANSI Z87.1 or approved equivalent).

SKIN: Wear impervious gloves to prevent contact with the skin. Where contact is likely, wear chemical resistant gloves, a chemical suit, long sleeves, rubber boots, and chemical safety goggles plus a face shield.

WORK HYGIENIC PRACTICES: Wash hands and face before eating, drinking or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

COLOR: Clear water white

ODOR: Odorless

ODOR THRESHOLD: No data available

pH: 2.0

MELTING POINT: No data available

BOILING POINT: 135 – 158 °C (275 – 316 °F)

FLASH POINT AND METHOD: Not applicable

EVAPORATION RATE: No data available

FLAMMABILITY(Solid/Gas): No data available

FLAMMABLE LIMITS: Not applicable

VAPOR PRESSURE: 0.0285 mmHg @ 20 °C (68 °F)

VAPOR DENSITY: 0.670 (Air = 1)

DENSITY: 8.58 lbs./gl

SPECIFIC GRAVITY: 1.03

% SOLUBILITY IN WATER: Soluble

OCTANOL/WATER PARTITION COEFFICIENT: No data available

AUTO-IGNITION TEMPERATURE: Not applicable

DECOMPOSITION TEMPERATURE: No data available

VISCOSITY: Not applicable

REGULATORY V.O.C.: 0.00

ACTUAL V.O.C.: 0.00

10. STABILITY AND REACTIVITY

REACTIVITY: No dangerous reactions known under conditions of normal use.

CHEMICAL STABILITY: Stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: Acid reacts with most metals to release hydrogen gas which can form explosive mixtures with air.

CONDITIONS TO AVOID: Extreme temperatures and direct sunlight.

INCOMPATIBLE MATERIALS: Metals, bases, alcohols, amines, copper, alkalis, hydroxides

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of phosphorus

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY VALUES: This product has not been tested as a whole, individual component data is listed below:

Components	CAS	Acute Toxicity Values
PHOSPHORIC ACID	7664-38-2	Acute oral toxicity: LD50: 2,600 mg/kg (rat) Acute inhalation toxicity: LD50: 5.337 mg/l (rabbit) Acute dermal toxicity: LD50: 1,260 mg/kg (rabbit)

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Contains phosphoric acid which is a corrosive chemical. Eye contact may cause serious, irreversible damage. May be irritating to nose, throat and lungs causing coughing and wheezing. Skin contact may cause severe burns and dermatitis.

EXPOSURE ROUTES: Inhalation, skin absorption, skin contact, eye contact, ingestion.

ACUTE EFFECTS: Component: Phosphoric Acid: Extremely corrosive and destructive to tissue. Corrosive to respiratory system. Corrosive by inhalation. Causes severe digestive tract burns. Causes severe skin burns and eye damage. Harmful or fatal if swallowed, vapor harmful.

CARCINOGENICITY: Component: Phosphoric Acid: No evidence of carcinogenicity in animal studies.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Product data is not available, individual component data is listed below:

ECOTOXICITY: Component: PHOSPHORIC ACID CAS No.:7664-38-2

Toxicity to fish : LC50 (Oryzias latipes (Japanese medaka)): 75.1 mg/l Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): 376 mg/l Exposure time: 48 h

Toxicity to algae: EC50 (Pseudokirchneriella subcapitata (green algae)): 32 mg/l End point: Biomass Exposure time: 72 h

Ecotoxicology Assessment: Acute aquatic toxicity: Harmful to aquatic organisms.

PERSISTENCE AND DEGRADABILITY: No data available.

BIO-ACCUMULATIVE POTENTIAL: Bioaccumulation is unlikely.

MOBILITY: No data available.

13. DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Empty containers should be disposed of through an approved waste management facility. Consult your local or regional authorities.

14. TRANSPORT INFORMATION

Consult your shipping specialist or transport agency for appropriate assignment of the DOT information.

DOT INFORMATION: 49 CFR 172.101

UN NUMBER: UN1800

UN PROPER SHIPPING NAME: PHOSPHORIC ACID SOLUTION

TRANSPORT HAZARD CLASS: 8

PACKING GROUP : III

MARINE POLLUTANT: No

Exceptions for Class 8 (corrosive materials): 49 CFR 173.154
For inner packaging not exceeding 5.0L (1.3 gallons) each packaged in a strong outer box: Limited Quantity

15. REGULATORY INFORMATION

UNITED STATES

OSHA: OSHA Hazard Communication Standard 29 CFR 1910.1200
A component(s) of this product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

OSHA Hazards: Toxic by inhalation. Harmful by skin absorption. Corrosive to skin. Severe eye irritant.

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity - 40 CFR 302.4 (a)
List of Hazardous Substances and Reportable Quantities (RQ)
Component: PHOSPHORIC ACID 7664-38-2 RQ: 5,000 lbs.

SARA 313 Components - 40 CFR 372.65
This product contains the following substances subject to the reporting requirements of Section 313 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and 40 CFR 372:

No chemical(s) subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372 are present.

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA Section 311/312 Hazard Category - 40 CFR 370.
This product is considered, under applicable definitions, to meet the following categories:
(X) Acute Health Hazard

US STATE REGULATIONS:
California Proposition 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

New Jersey Right To Know: PHOSPHORIC ACID 7664-38-2

Pennsylvania Right To Know: PHOSPHORIC ACID 7664-38-2

Massachusetts Right To Know: PHOSPHORIC ACID 7664-38-2

16. OTHER INFORMATION

DISCLAIMER: The information and recommendations set forth herein are presented in good faith and believed to be correct as of this date. The Eastwood Company makes no representation, warranty or guarantee as to the completeness or accuracy thereof. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

MSDS Preparation Date: 5/12/2015