

SAFETY DATA SHEET

Date Prepared : 01/26/2016

SDS No : Al Etch X

1. PRODUCT AND COMPANY IDENTIFICATION

GENERAL USE: 208-375-7200

PRODUCT DESCRIPTION: Metal Prep and Cleaner

PRODUCT CODE: Al Etch X

PRODUCT FORMULATION NAME: Al Etch X

CHEMICAL FAMILY: Acid Blend

MANUFACTURER

Technichem Corp
1 N Maple Grove Road
Boise, ID 83704

Emergency Contact: Brian Rencher

Emergency Phone: 208-375-7200

Customer Service: 208-375-7200

Transportation: 1-800-633-8253 PERS

24 HR. EMERGENCY TELEPHONE NUMBERS

PERS 1-800-633-8253 contract # 8575

2. HAZARDS IDENTIFICATION

GHS LABEL



Corrosion



Exclamation
mark

SIGNAL WORD: WARNING

PRECAUTIONARY STATEMENTS

General:

P331: Do NOT induce vomiting.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P306+P360: IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.

P302+P352: IF ON SKIN: Wash with plenty of water/...

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Water white liquid

IMMEDIATE CONCERNS: Causes severe skin and eye burns.

POTENTIAL HEALTH EFFECTS

EYES: Contact causes severe eye irritation.

SKIN: Corrosive, causes skin burning.

INGESTION: Do Not Induce vomiting, Drink plenty of water, Consult a physician.

INHALATION: Dust or vapor irritating to eyes and respiratory tract.

CARCINOGENICITY: NA = Not Applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

SAFETY DATA SHEET

Date Prepared : 01/26/2016

SDS No : Al Etch X

Chemical Name	Wt.%	CAS
Phosphoric Acid	< 60	7664-38-2
2- Butoxyethanol	< 20	111-76-2
Linear Primary Alcohol Ethoxylate	< 3	68439-46-3

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

INHALATION: No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Irritation and redness

SKIN: Irritation and redness

INHALATION: No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: None

FLAME PROPAGATION OR BURNING RATE OF SOLIDS: None

GENERAL HAZARD: Material will not burn.

EXTINGUISHING MEDIA: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

HAZARDOUS COMBUSTION PRODUCTS: None Expected.

EXPLOSION HAZARDS: None

FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

FIRE EXPLOSION: None Expected.

SENSITIVE TO STATIC DISCHARGE: None

SENSITIVITY TO IMPACT: None

HAZARDOUS DECOMPOSITION PRODUCTS: None Expected.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Mop up with water and rinse

LARGE SPILL: Large spills may be neutralized with dilute alkaline solutions of soda ash, or lime.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Avoid runoff into storm sewers and ditches which lead to waterways.

GENERAL PROCEDURES: Clean up spills immediately, observing precautions in Protective Equipment section.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Avoid contact with eyes, skin, and clothing.

HANDLING: Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

STORAGE TEMPERATURE: Store in a cool place below (120) F (49) C.

SAFETY DATA SHEET

Date Prepared : 01/26/2016

SDS No : Al Etch X

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
EXPOSURE LIMITS					
Chemical Name	Type		ppm	mg/m ³	
Phosphoric Acid	OSHA PEL	TWA		1	
	ACGIH TLV	TWA		1	
		STEL		3	
	Supplier OEL	TWA	NL		NL
		STEL	NL		NL
	2- Butoxyethanol	OSHA PEL	TWA	50	240
ACGIH TLV		TWA	20	97	
Supplier OEL		TWA	NL		NL
		STEL	NL		NL

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields (or goggles) and a face shield.

SKIN: Nitrile gloves

RESPIRATORY: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

PROTECTIVE CLOTHING: Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

WORK HYGIENIC PRACTICES: Do not smoke when using this product or any chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Flash Point (°C)	Boiling Point (°C)	Freezing Point (°C)	Specific Gravity
Phosphoric Acid	11	22	33	44
Linear Primary Alcohol Ethoxylate	334			

PHYSICAL STATE: Liquid

ODOR: Glycol Ether scent

APPEARANCE: Water white liquid

COLOR: Clear

pH: 1.5

PERCENT VOLATILE: 99%

FLASH POINT AND METHOD: None

FLAMMABLE LIMITS: Water Based - will not burn

AUTOIGNITION TEMPERATURE: None

SAFETY DATA SHEET

Date Prepared : 01/26/2016
SDS No : Al Etch X

BOILING POINT: 210 F
FREEZING POINT: < 20 F
SOLUBILITY IN WATER: 100%
EVAPORATION RATE: Water = 1 Al Etch X = .9
SPECIFIC GRAVITY: 1.15
VISCOSITY: Not yet Determined

10. STABILITY AND REACTIVITY

REACTIVITY: None
HAZARDOUS POLYMERIZATION: None
CONDITIONS TO AVOID: Oxidizing materials.
HAZARDOUS DECOMPOSITION PRODUCTS: None Expected.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD ₅₀	DERMAL LD ₅₀
Linear Primary Alcohol Ethoxylate	1400 to 2700	> 4000

DERMAL LD₅₀: None Expected.

ORAL LD₅₀: None Expected.

NOTES: None Expected.

GERM CELL MUTAGENICITY: None Expected.

CARCINOGENICITY

Chemical Name	General Toxicity
Phosphoric Acid	None known.

IARC: None Expected.

NOTES: None Expected.

REPRODUCTIVE TOXICITY: None Expected.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: NA = Not Applicable

ECOTOXICOLOGICAL INFORMATION: NA = Not Applicable

AQUATIC TOXICITY (ACUTE): None Expected.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Neutralize with acid to reach a Ph between 5 and 9 and dispose of into a waste water treatment system.
Spent product may already be at a Ph of 9 or below.

FOR LARGE SPILLS: Neutralize with acid to reach a Ph between 5 and 9 and dispose of into a waste water treatment system.
Spent product may already be at a Ph of 9 or below.

PRODUCT DISPOSAL: Disposal should be in accordance with regulations

EMPTY CONTAINER: Rinse with water, recycle if possible

14. TRANSPORT INFORMATION

SAFETY DATA SHEET

Date Prepared : 01/26/2016

SDS No : Al Etch X

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Phosphoric Acid Solution

TECHNICAL NAME: Phosphoric Acid

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: 1805

PACKING GROUP: III

U.S. SURFACE FREIGHT CLASS: 70

PLACARDS: Corrosive

LABEL: Corrosive 8

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Phosphoric Acid Solution

UN NUMBER: 1805

HAZARD CLASS: 8

PACKING GROUP: III

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Corrosive

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: None

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** No **CHRONIC:** No

313 REPORTABLE INGREDIENTS: None

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: None

Chemical Name	Wt.%	CERCLA RQ
Phosphoric Acid	< 60	5,000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Phosphoric Acid	7664-38-2
2- Butoxyethanol	111-76-2
Linear Primary Alcohol Ethoxylate	68439-46-3

16. OTHER INFORMATION

APPROVED BY: Brian Rencher **TITLE:** President

PREPARED BY: Brian Rencher **Date Prepared:** 01/26/2016

SAFETY DATA SHEET

Date Prepared : 01/26/2016
SDS No : Al Etch X

INFORMATION CONTACT: 208-375-7200

HMIS RATING

HEALTH	1	2
FLAMMABILITY	0	0
PHYSICAL HAZARD	2	2
PERSONAL PROTECTION	D	

NFPA CODES



MANUFACTURER DISCLAIMER: This SDS is written with the best of our chemical knowledge and with common sense and in every day terms. If you do not understand a term or phrase please ask a supervisor or Technichem - Boise Idaho 208-375-7200