

SAFETY DATA SHEET



Date Prepared : 02/09/2017

SDS No : Al Etch

Date Revised : 03/29/2021

Revision No : 2

1. PRODUCT AND COMPANY IDENTIFICATION

GENERAL USE: 208-375-7200

PRODUCT DESCRIPTION: Aluminum Metal Etching & Cleaning Compound

PRODUCT CODE: Al Etch

PRODUCT FORMULATION NAME: Al Etch

CHEMICAL FAMILY: Acid & Solvent Blend

MANUFACTURER

Technichem

P.O. Box 475

Rupert, ID 83350

Emergency Contact: Corporate Office

Emergency Phone: 208-531-4100

Customer Service: 208-531-4100

Transportation: 1-800-633-8253 PERS

24 HR. EMERGENCY TELEPHONE NUMBERS

PERS 1-800-633-8253 contract # 8575

2. HAZARDS IDENTIFICATION

GHS LABEL

Causes skin and eye irritation.



Corrosion



Exclamation
mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H319: Causes serious eye irritation.

H315: Causes skin irritation.

H335: May cause respiratory irritation.

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.

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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

CANCER STATEMENT: None

WARNING CAUTION LABELS: Corrosive

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Phosphoric Acid	< 15	7664-38-2
2-butanone	< 10	78-93-3
Citric Acid	< 8	5949-29-1
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, acid burning, which may not accure until at some point after exposure.

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

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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 SDS/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.

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
Citric Acid	OSHA PEL	TWA	N/E		
	ACGIH TLV	TWA	N/E		

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: Slight Methyl Ethyl Ketone (MEK) scent

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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
BOILING POINT: 210 F
FREEZING POINT: < 20 F
SOLUBILITY IN WATER: 100%
EVAPORATION RATE: Water = 1 Al Etch = 1
SPECIFIC GRAVITY: 1.07
VISCOSITY: water thin

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.

SKIN CORROSION/IRRITATION: Causes skin irritation.

SERIOUS EYE DAMAGE/IRRITATION: Causes serious eye irritation.

RESPIRATORY OR SKIN SENSITISATION: May cause allergy or asthma symptoms or breathing difficulties if inhaled

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

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ENVIRONMENTAL DATA: NA = Not Applicable

ECOTOXICOLOGICAL INFORMATION: NA = Not Applicable

AQUATIC TOXICITY (ACUTE): None Expected.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Do not dispose of on land, in surface waters, or in storm drains. Waste should be recycled or disposed in accordance with regulations.

FOR LARGE SPILLS: Neutralize with an alkaline material to reach a Ph between 5 to 8 and dispose of into a waste water treatment system.

PRODUCT DISPOSAL: Disposal should be in accordance with regulations

EMPTY CONTAINER: Rinse with water, recycle if possible

14. TRANSPORT INFORMATION

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)

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CERCLA REGULATORY: None

Chemical Name	Wt.%	CERCLA RQ
Phosphoric Acid	< 15	5,000
2-butanone	< 10	5,000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Phosphoric Acid	7664-38-2
2-butanone	78-93-3
Linear Primary Alcohol Ethoxylate	68439-46-3

16. OTHER INFORMATION

APPROVED BY: Brian Rencher TITLE: President

PREPARED BY: Brian Rencher Date Revised: 03/29/2021

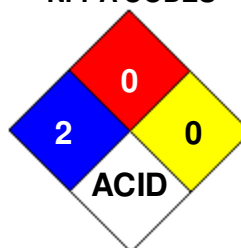
INFORMATION CONTACT: 208-375-7200

REVISION SUMMARY: This SDS replaces the 03/29/2021 SDS.

HMIS RATING

HEALTH	<input type="checkbox"/>	2
FLAMMABILITY		0
PHYSICAL HAZARD		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.