

SAFETY DATA SHEET



Date Prepared : 01/26/2016

SDS No : No HF

Date Revised : 06/06/2022

Revision No : 3

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: Aluminum Brightener and Cleaner

PRODUCT CODE: No HF

PRODUCT FORMULATION NAME: No HF

CHEMICAL FAMILY: Phosphoric Acid Blend Detergent

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



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: Contact causes severe skin irritation and possible burns.

SKIN ABSORPTION: A single, prolonged exposure is not likely to result in the material being absorbed through skin in harmful amount.

INGESTION: Can burn mouth, throat and stomach.

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

CARCINOGENICITY: None Expected.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Phosphoric Acid	< 40	7664-38-2
Linear Primary Alcohol Ethoxylate	< 1	68439-46-3
Citric Acid	< 15	5949-29-1
Dipropylene Glycol Methyl Ether	< 10	34590-94-8

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

SENSITIVE TO STATIC DISCHARGE: None Expected.

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.

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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: Contents under pressure. Do not expose to heat or store above (120) F (49) C.

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

STORAGE SEGREGATION CLASS: N

ELECTROSTATIC ACCUMULATION HAZARD: None

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: Glycol Ether scent

APPEARANCE: Clear - No Dye Liquid

COLOR: Clear

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pH: 1.5

PERCENT VOLATILE: 95%

FLASH POINT AND METHOD: None

FLAMMABLE LIMITS: 0 to 0

AUTOIGNITION TEMPERATURE: None

VAPOR PRESSURE: 16.5

VAPOR DENSITY: 16.5

BOILING POINT: 210 F

FREEZING POINT: < 20 F

SOLUBILITY IN WATER: 100%

EVAPORATION RATE: Water = 1 No Hf = .9

SPECIFIC GRAVITY: 2.453

(VOC): 66

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.INHALATION LC₅₀: None Expected.

SKIN CORROSION/IRRITATION: Harmful in contact with skin

SERIOUS EYE DAMAGE/IRRITATION: Causes serious eye irritation.

GERM CELL MUTAGENICITY: None Expected.

CARCINOGENICITY

Chemical Name	General Toxicity
Phosphoric Acid	None known.

OSHA: None

NOTES: None known.

REPRODUCTIVE TOXICITY: None Expected.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: None

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ECOTOXICOLOGICAL INFORMATION: None

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 6 and 8 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

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)

UN NUMBER: 1805

PACKING GROUP: III

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Corrosive

R34: Causes burns.

R36/37: Irritating to eyes and respiratory system.

S62: If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

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

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

Chemical Name	Wt. %	CERCLA RQ
Phosphoric Acid	< 40	5,000

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TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Phosphoric Acid	7664-38-2
Linear Primary Alcohol Ethoxylate	68439-46-3
Dipropylene Glycol Methyl Ether	34590-94-8

CLEAN AIR ACT (HAZARDOUS AIR POLLUTANTS): None

16. OTHER INFORMATION

APPROVED BY: Brian Rencher TITLE: President

PREPARED BY: Brian Rencher Date Revised: 06/06/2022

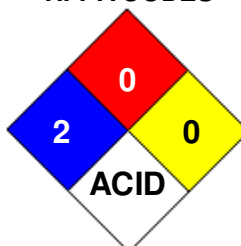
INFORMATION CONTACT: 208-375-7200

REVISION SUMMARY: This SDS replaces the 04/20/2022 SDS. Revised: Section 1: 24 HR. EMERGENCY TELEPHONE NUMBERS.

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.