

SAFETY DATA SHEET



Date Prepared : 05/10/2016

SDS No : Drox

Date Revised : 03/30/2021

Revision No : 2

1. PRODUCT AND COMPANY IDENTIFICATION

GENERAL USE: 208-375-7200**PRODUCT DESCRIPTION:** Hydrochloric Acid Based Detergent and Cleaner**PRODUCT CODE:** Drox**PRODUCT FORMULATION NAME:** Drox**CHEMICAL FAMILY:** Acid 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 CLASSIFICATIONS

Can cause severe eye irritation.

Skin Corrosion

GHS LABEL



Corrosion

Exclamation
mark**SIGNAL WORD:** DANGER

HAZARD STATEMENTS

H318: Causes serious eye damage.

H314: Causes severe skin burns and eye damage.

H333: May be harmful if inhaled.

PRECAUTIONARY STATEMENTS

General:

P270: Do not eat, drink or smoke when using this product.

P331: Do NOT induce vomiting.

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

P285: In case of inadequate ventilation wear respiratory protection.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Water white liquid**IMMEDIATE CONCERNS:** Causes severe skin and eye burns.

POTENTIAL HEALTH EFFECTS

EYES: Corrosive, contact causes severe eye burns.**SKIN:** Corrosive, causes skin burning.

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SKIN ABSORPTION: Corrosive, causes skin burning.

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

INHALATION: High concentrations in immediate area can displace oxygen and can cause dizziness, unconsciousness, and even death with longer exposure. Keep people away from such vapors without self-contained breathing apparatus.

REPRODUCTIVE TOXICITY

TERATOGENIC EFFECTS: None

CARCINOGENICITY: None

MEDICAL CONDITIONS AGGRAVATED: None known.

CANCER STATEMENT: None Expected.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Hydrochloric Acid	< 50	7647-01-0
Linear Primary Alcohol Ethoxylate	< 2	68439-46-3

4. FIRST AID MEASURES

EYES: Flush eye with water for 15 minutes. Get medical attention.

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: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Irritation and redness

SKIN: Contact causes skin irritation.

INGESTION: If swallowed, do NOT induce vomiting. Give victim a glass of water or juice. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: 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.

HAZARDOUS DECOMPOSITION PRODUCTS: None Expected.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Mop up with water and rinse

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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.

AIR SPILL: None Expected.

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

RELEASE NOTES: Avoid runoff into storm sewers and ditches which lead to waterways.

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 at room temperature - below 75 F and above 50 F

LOADING TEMPERATURE: NA = Not Applicable

LOADING/UNLOADING VISCOSITY: NA = Not Applicable

STORAGE PRESSURE: NA = Not Applicable

SHELF LIFE: At least 2 years from date of manufacture

ELECTROSTATIC ACCUMULATION HAZARD: None Expected.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type	ppm	mg/m ³	
Hydrochloric Acid	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: NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

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)
Linear Primary Alcohol Ethoxylate	334

PHYSICAL STATE: Liquid

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ODOR: Biting Acid Odor**APPEARANCE:** Clear - No Dye Liquid**COLOR:** Water White Liquid**pH:** 1**PERCENT VOLATILE:** 100%**FLASH POINT AND METHOD:** None**FLAMMABLE LIMITS:** None to None**Notes:** None**AUTOIGNITION TEMPERATURE:** None**VAPOR PRESSURE:** 15 at 20C**VAPOR DENSITY:** 1.267**BOILING POINT:** 210 F**FREEZING POINT:** < 20 F**MELTING POINT:** NA = Not Applicable**THERMAL DECOMPOSITION:** NA = Not Applicable**SOLUBILITY IN WATER:** 100%**EVAPORATION RATE:** Drox -1 Water -1**DENSITY:** NA = Not Applicable**SPECIFIC GRAVITY:** 1.07**VISCOSITY:** NA = Not Applicable**MOLECULAR WEIGHT:** NA = Not Applicable**(VOC):** to 0.00**10. STABILITY AND REACTIVITY****REACTIVITY:** Stable.**HAZARDOUS POLYMERIZATION:** Product will not undergo polymerization.**STABILITY:** Stable.**CONDITIONS TO AVOID:** Alkaline Materials**HAZARDOUS DECOMPOSITION PRODUCTS:** None Expected.**INCOMPATIBLE MATERIALS:** Alkaline Materials**11. TOXICOLOGICAL INFORMATION****ACUTE TOXICITY**

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

SKIN CORROSION/IRRITATION: Harmful in contact with skin**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.

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CARCINOGENICITY

IARC: None

NOTES: None

REPRODUCTIVE TOXICITY: None

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No data available. Contact Env. Dept.

BIOACCUMULATION/ACCUMULATION: None Expected.

AQUATIC TOXICITY (ACUTE): NA = Not Applicable

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: Large amounts should be collected for re-use or consigned to a licensed hazardous waste hauler for disposal.

PRODUCT DISPOSAL: Disposal should be in accordance with regulations

EMPTY CONTAINER: Rinse with water, recycle if possible

RCRA/EPA WASTE INFORMATION: None known.

RCRA HAZARD CLASS: None known.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Corrosive Liquid NOS

TECHNICAL NAME: Hydrochloric Acid

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN1760

PACKING GROUP: II

U.S. SURFACE FREIGHT CLASS: 55

BULK FREIGHT CLASS: None known.

PLACARDS: Corrosive

LABEL: Corrosive 8

SPECIAL SHIPPING NOTES: Quarts or smaller containers can ship via Consumer Commodity ORM-D (ground only)

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Corrosive Liquid NOS

UN NUMBER: UN1760

HAZARD CLASS: 8

PACKING GROUP: II

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION

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Corrosive

R20/21: Harmful by inhalation and in contact with skin.

R20/22: Harmful by inhalation and if swallowed.

R21: Harmful in contact with skin.

R34: Causes burns.

R41: Risk of serious damage to eyes.

S20/21: When using do not eat, drink or smoke.

S7: Keep container tightly closed.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**311/312 HAZARD CATEGORIES:** None**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes**EPCRA SECTION 313 SUPPLIER NOTIFICATION**

Chemical Name	Wt.%	CAS
Hydrochloric Acid	< 50	7647-01-0

302/304 EMERGENCY PLANNING**EMERGENCY PLAN:** None**CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)****CERCLA REGULATORY:** None

Chemical Name	Wt.%	CERCLA RQ
Hydrochloric Acid	< 50	5,000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Hydrochloric Acid	7647-01-0
Linear Primary Alcohol Ethoxylate	68439-46-3

CLEAN AIR ACT

Chemical Name	Wt.%	CAS
Hydrochloric Acid	< 50	7647-01-0

16. OTHER INFORMATION**APPROVED BY:** Brian Rencher **TITLE:** President**PREPARED BY:** Brian Rencher **Date Revised:** 03/30/2021**INFORMATION CONTACT:** 208-375-7200**REVISION SUMMARY:** This SDS replaces the 05/12/2016 SDS.

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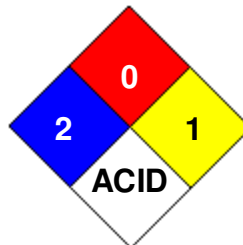
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HMIS RATING

HEALTH	<input type="checkbox"/>	2
FLAMMABILITY		0
PHYSICAL HAZARD		1
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.