



Safety Data Sheet

F-8

Section 1 Identification

Trade Name: F-8 **Date Prepared:** 02/19/2016
Product Identification: PTS-F8
Synonyms: None **CAS No:** Mixture
Product Use Description:
Industrial Acidic Cleaner

Details of the supplier of the safety data sheet

Pressure Tek Sales
905 Canterbury Road
Unit F
WESTLAKE, OH 44145 US
Phone: (440) 250-2144
website: www.pressuretek.com

Emergency telephone number

Infotrac (800) 535-5053 (US & Canada)
(352) 323-3500

Section 2 Hazards Identification

GHS Classification:
Acute Toxicity Oral Category 4
Skin Corrosion/Irritation Category 1B
Serious Eye Damage/Irritation Category 1
Reproductive Toxicity Category 2
Specific Target Organ Toxicity Acute Category 2
Specific Target Organ Toxicity Chronic Category 1
Aquatic Toxicity Acute Category 3

GHS label elements:



Irritant Health Hazard Corrosive

Signal Word: Danger

Hazard Statements:

H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage
H361 Suspected of damaging fertility or the unborn child
H371 May cause damage to organs
H373 May cause damage to organs through prolonged or repeated exposure if swallowed.
H402 Harmful to aquatic life

Precautionary Statements:

Prevention

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust, mist or spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.



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P273 Avoid release to the environment.

P280 Wear protective gloves, protective clothing and eye protection or face protection.

Response

P301 + P312 IF SWALLOWED: call a POISON CENTER or physician IF you feel unwell.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse SKIN with water.

P304 + P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.

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

P308 + P313 IF exposed or concerned: Get medical attention.

P310 Immediately call a POISON CENTER or physician.

P314 Get medical attention if you feel unwell.

P330 Rinse mouth.

P363 Wash contaminated clothing before reuse.

Storage

P405 Store locked up.

Disposal

P501 Dispose of contents/container to an approved waste disposal plant.

Hazards Not Otherwise Classified (HNOC):

None.

Additional Information:

None.

Section 3 Composition

Chemical Name	Common name and synonyms	CAS #	%
Oxalic Acid		6153-56-6	95 - 100

Section 4 First Aid

General:

Move out of dangerous area. Perform first aid measures as indicated. Seek medical attention and show this safety data sheet to attending physician.

Inhalation:

Move to fresh air and keep at rest in a position comfortable for breathing. If breathing difficulty occurs or persists seek medical attention. If not breathing give artificial respiration and seek immediate medical attention.

Skin contact:

Immediately flush exposed skin with water for at least 15 minutes while removing contaminated clothing and/or shoes. Thoroughly wash with soap and water. Seek medical attention if irritation develops or persists.

Eye contact:

Immediately flush eyes with water for at least 15 minutes, lifting the upper and lower eyelids intermittently. Check for and remove any contact lenses if easy to do. Seek immediate medical attention.

Ingestion:

Rinse mouth with water. Do not induce vomiting. Seek immediate medical attention.

Most important symptoms and effects both acute and delayed:

No information available.

Indication of any immediate medical attention and special treatment needed:

No information available.

Section 5 Fire Fighting Measures

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Suitable Extinguishing Media:

Use alcohol foam, carbon dioxide, dry chemical or water spray. Use water spray to cool fire exposed containers.

Unsuitable Extinguishing Media:

No information available.

Specific hazards developing from the chemical:

In fire conditions after water loss, combustion may produce carbon monoxide, carbon dioxide and other unidentified combustion products.

Precautions for firefighters:

No information available.

Firefighting Instructions:

No information available.

Protection During Firefighting:

Wear full protective gear and full face pressure demand self-contained breathing apparatus.

Other information:

No additional information available.

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Avoid direct contact with skin, eyes and clothing. Avoid inhalation of mist, vapor or dust. Wear appropriate personal protective equipment as outlined in Section 8 of this SDS.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Contain spilled material and prevent run-off onto ground or into water sources or sewers.

Methods and material for containment and cleaning up:

Sweep up spilled material and place in suitable container for disposal. Dispose of spilled/collected material in accordance with all federal, state and local regulations.

Section 7 Handling and Storage

Precautions for safe handling:

Avoid contact with skin and eyes. Avoid inhalation of mist, vapor and dust. Ensure adequate ventilation. Do not eat, drink or smoke while handling. Wear appropriate personal protective equipment as outlined in Section 8 of this SDS.

Conditions for safe storage, including any incompatibilities:

Store in original container. Keep container tightly closed. Store at room temperature (50-90 F) in a dry well-ventilated area.

Section 8 Exposure Controls/Personal Protection

Exposure limits:

Ingredient	Data Source	Exposure Form	Exposure Value	Exposure Notes
oxalic acid dihydrate	ACGIH TLV	TWA	1 mg/m3	
	OSHA PEL	TWA	1 mg/m3	

Appropriate Engineering Controls:

Use local and/or general exhaust ventilation to maintain airborne concentrations below irritating levels or exposure limits. An eyewash and safety shower should be available in the work area.

Individual protection measures:**Eye/face protection:**

Chemical goggles or face shield should be worn when handling this material.

Skin protection:**Hand Protection:**

Wear chemical resistant gloves when handling.

Other:

Wear chemical resistant apron when handling.

Respiratory Protection:

Wear respiratory protection if dust is produced, while using this material.

General hygiene considerations:



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Follow good hygiene and safety practice. Wash hands and exposed skin before breaks and at the end of the work day. Do not eat, drink or smoke while handling this material. Do not wear contaminated or dirty clothing home from the work-site. Launder contaminated or dirty clothing before reuse.

Additional information:

No additional information available.

Section 9 Physical and Chemical Properties

Appearance	White Powder
Odor	Mild
Odor threshold	Not available.
pH	Not available.
Melting/freezing point	Not available.
Initial boiling point	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Lower flammability limit	Not available.
Upper flammability limit	Not available.
Lower explosive limit	Not available.
Upper explosive limit	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility in water	15%
PC: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Density	Not available.
Specific gravity	Not available.

Section 10 Stability and Reactivity

Reactivity :	Not reactive under normal use conditions.
Chemical stability :	Material is stable under normal handling and storage conditions.
Hazardous reactions :	Hazardous polymerization will not occur under normal handling and storage.
Conditions to avoid :	Avoid excessive heating, freezing and chemical contamination.
Decomposition products:	No decomposition products are expected under normal storage and handling conditions.
Incompatible materials:	Avoid contact with oxidizers and strong bases.

Section 11 Toxicological Information

Information on the likely routes of exposure:

Inhalation:

Mist from this material may cause respiratory irritation.

Skin Contact:

This material may cause skin irritation which can result in serious burns and perminate damage.

Eye Contact:

This material may cause eye irritation which can result in serious burns and perminate damage.

Ingestion:

This material may cause gastrointestinal irritation which can result in serious burns and perminate damage.

Symptoms related to the physical, chemical and toxicological characteristics:

No information available.

Delayed and chronic effects:

No information available.

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Numerical measures of toxicity:

Components	Exposure	Species	Dose	Notes
oxalic acid dihydrate:				
Oral	LD50	Rat	375 mg/kg	
Dermal	LD50	Rabbit	20,000 mg/kg	

Toxicological effects:

Acute Toxicity:

Mixture:

No information available.

Skin Corrosion/Irritation:

Mixture:

No information available.

Serious Eye Damage/Irritation:

Mixture:

No information available.

Respiratory sensitization:

Mixture:

No information available.

Skin sensitization:

Mixture:

No information available.

Germ cell mutagenicity:

Mixture:

No information available.

Carcinogenicity:

Mixture:

This product is considered to be a potential carcinogen by:

NTP: No

OSHA: No

IARC: No

Reproductive toxicity:

Mixture:

This product is not expected to cause reproductive and developmental effects.

STOT-single exposure:

Mixture:

Material may cause damage to organs (respiratory).

STOT-repeated exposure:

Mixture:

Material may cause damage to organs (kidney) through prolonged or repeated exposure.

Aspiration hazard:

Mixture:

This product is not an aspiration hazard.

Additional information:

None.

Section 12 Ecological Information

Ecotoxicity:

Material is harmful to aquatic life.

Numerical measures of ecotoxicity:

Components	Type	Species	Dose	Notes
oxalic acid dihydrate:				
Fish	LC50	Bluegill	24 mg/l	96 hr
Invertebrate	EC50	Daphnia magna	15 mg/l	48 hr

Persistence and degradability:

Mixture:

Material is highly biodegradable.

Bioaccumulative potential:

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Mixture:

No information available.

Mobility in soil:

Mixture:

No information available.

Other adverse effects:

Mixture:

No information available.

Additional information:

No information available.

Section 13 Disposal Considerations

Disposal instructions:

Dispose of material in accordance with all federal, state and local regulations.

Contaminated packaging:

Triple rinse container and offer for recycling. Dispose of container following all federal, state and local regulations.

Additional Information:

No additional information available.

Section 14 Transport Information

DOT:

Not classified.

Section 15 Regulatory Information

Federal regulations:

SARA 311/312 Hazard categories:

Immediate (Acute) Health Hazard

Delayed (Chronic) Health Hazard

None.

SARA 302 Extremely hazardous substance:

Not listed.

SARA 304 Emergency release notification:

Not regulated.

SARA 311/312 Hazardous chemical:

No

SARA 313 Toxic Release Inventory (TRI) report:

Not regulated.

CERCLA Hazardous substance list:

Not Listed.

Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA):

This chemical is not a pesticide product.

Clean Air Act regulated substances:

None.

Clean Water Act regulated substances:

None.

U.S. state regulations:

Massachusetts RTK Substances

Oxalic Acid Listed.

New Jersey RTK Substances

Oxalic Acid Listed.

Pennsylvania RTK Substance

Oxalic Acid Listed.

Canadian regulations:

Canadian Ingredient Disclosure List substances:

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None listed.

WHMIS classification:
Not classified.

Section 16 Other Information

HMIS hazard ID:

HEALTH	3
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	F

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *-Chronic health effect

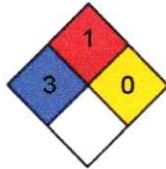
NFPA hazard ID:

Flamability:

Health:

Reactivity:

Special hazard:



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

Disclaimer: This Manufacturer believes that the information contained in the Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of the publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.

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