



ENERGY

Presoak SF

SDS

1072

SAFETY DATA SHEET

SECTION I - IDENTIFICATION

PRODUCT TRADE NAME: Presoak SF
 Chemical Family: Presoak
 Formula: Proprietary
 Product #: 1072
 Date of Issue: 12/28/2017
 Supplier:

C K ENTERPRISES, INC.
 1204 SW Jefferson Street
 Lee's Summit, Missouri 64081
 (816) 524-1304

EMERGENCY CONTACT:
CHEMTREC - 1-800-424-9300

(For use only in the event of emergencies involving a spill, leak, fire, exposure, or accident involving chemicals)

SECTION II - HAZARDOUS IDENTIFICATION

DANGER



Health Hazards

Acute Toxicity; Oral	Category 3
Acute Toxicity, Inhalation	Category 4
Skin Corrosion/Irritation	Category 1
Serious eye damage/ eye irritation	Category 1

Precautionary Statements:

- Do not breathe in mist/spray/vapors/gas/fumes
- Wash hands thoroughly after handling
- Wear protective gloves, clothing and chemical splash goggles
- Do not eat, drink or smoke while using this product
- Use outdoors or in a well-ventilated area
- IF SWALLOWED: Rinse mouth. Do not induce vomiting. Call a poison center or physician if you feel unwell
- IF ON SKIN (or hair): Remove contaminated clothing immediately. Rinse skin with water/shower.
- IF INHALED: remove to fresh air and keep at a position comfortable for breathing. Call a poison center or physician if you feel unwell.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- Immediately call a poison center or physician
- Wash contaminated clothing before reuse
- Store locked up
- Dispose of in accordance with all federal, state and local regulations

HMIS Code:

HEALTH HAZARD	3
FIRE HAZARD	0
REACTIVITY	1
SPECIFIC HAZARD	COR

Hazard Statements:

- Causes severe skin burns and eye damage
- Toxic if swallowed
- Harmful if inhaled

Potential Acute Effects:

- Eyes**-may cause severe eye irritation and eye damage
- Skin**- may cause irritation or burns to the skin
- Inhalation**- may cause headaches dizziness or nausea
- Ingestion**- may cause irritation and severe gastrointestinal damage

SECTION III - COMPOSITION INFORMATION

Name of Hazardous Ingredients	CAS Number	% by Weight
Hydrogen Fluoride	7664-39-3	<5
Cocamidopropyl Betaine	61789-40-0	<10
Alcohols (C10-C14) Ethoxylated	66455-15-0	<5

SECTION IV - FIRST AID MEASURES

Emergency First Aid Procedures:

- IN EYES:** Flush immediately with clean water for 15 minutes. Get medical attention if discomfort persists.
- ON SKIN:** Flush all skin contact areas with water for 15 minutes. Use a mild soap. Seek medical attention if discomfort persists.
- INHALATION:** Avoid excessive contact with mist. Remove person to fresh air. Begin CPR if breathing has stopped, and seek medical attention immediately.
- INGESTION:** Seek immediate medical attention. Dilute by giving two glasses of water to drink. Do not give if unconscious. Do not induce vomiting. Call local poison control center.

SECTION V - FIREFIGHTING MEASURES

- Flash Point (Method Used):** N/A
- Flammable Limits:** LEL: N/A UEL:N/A
- Extinguishing Media:** Water, fog, foam, dry chemical, CO₂
- Special Fire Fighting Procedures:** N/A
- Hazardous Combustion Products:** None

SECTION VI - ACCIDENTAL RELEASE MEASURES

- Steps To Be Taken If Released or Spilled:** All spilled material must be contained and kept out of waterways, sewers and drains. The spilled chemical should be absorbed with an inert material. Flush cleaned area thoroughly with water.



CK Enterprises, Inc.

SECTION VII - HANDLING AND STORAGE

Precautions To Be Taken In Handling and Storage: Keep container tightly closed when not in use. Do not swallow. Avoid contact with eyes and skin. Do not store in areas of high temperature. Do not store in area of oxidizing/reducing agents.

Other Precautions: KEEP OUT OF THE REACH OF CHILDREN.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Product Name	OSHA PEL	NIOSH REL	AIHA WEEL	ACGIH TLV
Hydrogen Fluoride CAS# 7664-39-3	3ppm	3ppm	-	3ppm

- **Respiratory Protection:** Use a NIOSH approved respirator if TLV are reached or exceeded
- **Ventilation:** Use in a well-ventilated area.
- **Protective Gloves:** Rubber or neoprene gloves are recommended when handling the concentrated material.
- **Eye Protection:** Safety glasses or chemical splash goggles are recommended
- **Other Protective Equipment:** Rubber aprons should be worn as protection to the body while handling this product.
- **Hygienic Practices:** Ensure strict sanitary conditions are conformed to when working around chemicals. Protective clothing and equipment should be in accordance with 29 CFR 1910.132 and 1910.133.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	212 °F
Specific Gravity (Water = 1):	1.10-1.15
Vapor Pressure:	N/A
Vapor Density (Air = 1):	N/A
Evaporation Rate (Water = 1):	N/A
Solubility in Water:	Complete
pH @ 100% solution:	1-3
Appearance/Odor:	Clear to Straw liquid; Characteristic odor

SECTION X - STABILITY AND REACTIVITY

Stability Data: Stable
Incompatibility: Strong bases
Hazardous Decomposition Products: Hydrogen; contact with Hypochlorites may liberate toxic gas.
Hazardous Polymerization: Will not occur

SECTION XI - TOXICOLOGICAL INFORMATION

Routes of Entry	Dermal, oral and inhalation
Symptoms	Irritation to burns
Skin Irritant	Yes
Eye Irritant	Yes
Sensitizers	Not determined
Mutagenicity	No information found
Carcinogenicity	None
Reproductive Toxicity	No information found
Target Organs	See section 2

There is no toxicological data for this product as a whole. Based on relevant ingredients with known acute toxicity, the acute toxicity estimate (ATE) using the additive formula has been determined. Some ingredients do not have LD50/LC50 information on all routes of entry.

Test	Results	Basis
Oral	804mg/kg	ATE determined Category 4
Dermal	5,364mg/kg	ATE determined beyond Category 4
Inhalation	9,145ppm	ATE determined Category 4

SECTION XII - ECOLOGICAL INFORMATION

No ecological information available.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of in accordance with all Federal, State and Local pollution control regulations.

SECTION XIV - TRANSPORT INFORMATION

Proper Shipping Name: Hydrofluoric acid, with not more than 60% strength

D.O.T. Classification: UN1790, 8, (6.1), PGII

D.O.T. Placard: UN1790, Corrosive, Poison

Precautions to be taken in transportation: Keep container tightly closed.

SECTION XV - REGULATORY INFORMATION

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

CAS # 7664-39-3
Chemical Name: Hydrogen Fluoride
Percent by Weight: <5%

The following substances have CERCLA reportable quantity values (in pounds):

Hydrogen Fluoride 7664-39-3 100

SECTION XVI - OTHER INFORMATION

Date Issued: 12/28/2017 **Supersedes:** 6/3/2016

This information must be included in all Safety Data Sheets that are copied and distributed for this material.

The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.