

**ENERGY**

D T C

SDS

2011

SAFETY DATA SHEET

SECTION I - IDENTIFICATION

PRODUCT TRADE NAME: DTC

Chemical Family: Acid

Formula: Proprietary

Product #: 2011

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, Inhalation

Skin Corrosion/Irritation

Serious eye damage/ eye irritation

Category 3

Category 1

Category 1

Precautionary Statements:

- Do not breathe in mist, vapors or fumes
- Wash hands thoroughly after handling
- Do not eat, drink or smoke while using this product
- Use outdoors or in a well-ventilated area
- Wear protective gloves/clothing/eye protection/face protection
- IF SWALLOWED: rinse mouth. Do not induce vomiting. Immediately call a poison center or physician
- IF ON SKIN: remove all contaminated clothing. Rinse skin with water/shower.
- IF INHALED: remove victim to fresh air and keep in comfortable position for breathing
- 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 in a well-ventilated place. Keep container tightly closed
- 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	

Hazard Statements:

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

Potential Acute Effects:

- Eyes-** Vapors, liquid and mists are extremely corrosive to the eyes.
- Skin-** Vapors will be severely irritating. Liquids and mists can severely burn the skin.
- Inhalation-** Vapors and mists are extremely corrosive to the nose, throat, and mucous membranes.
- Ingestion-** Vapors, mists, and liquid are extremely corrosive to the mouth and throat. Swallowing the liquid burns the tissues, causes severe abdominal pain, nausea, vomiting, kidney damage, and collapse. Swallowing large quantities can cause death.

SECTION III - COMPOSITION INFORMATION

<u>Name of Hazardous Ingredients</u>	<u>CAS Number</u>	<u>% by Weight</u>
Hydrogen Fluoride	7664-39-3	<10
Sulfuric Acid	7664-93-9	<15

SECTION IV - FIRST AID MEASURES

Emergency First Aid Procedures:

- IN EYES:** Flush immediately with clean water for 15 minutes. Seek medical attention. Treat in all cases like hydrofluoric acid contact.
- ON SKIN:** Flush all skin contact areas with water for 15 minutes. If burns or rash develop, seek medical attention. Treat in all cases like hydrofluoric acid contact.
- INHALATION:** Remove person to fresh air. Begin CPR if breathing has stopped, and seek immediate medical attention.
- INGESTION:** Do not induce vomiting. Give several large glasses of water only if conscious. Never give anything orally to unconscious persons. Seek immediate medical attention.

SECTION V - FIREFIGHTING MEASURES

- Flash Point (Method Used):** Not combustible
- Flammable Limits:** Non-Flammable
- Extinguishing Media:** N/A
- Special Fire Fighting Procedures:** N/A
- Hazardous Combustion Products:** None

**CK Enterprises, Inc.**

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.

SECTION VII - HANDLING AND STORAGE

Precautions To Be Taken In Handling and Storage: Keep container tightly closed when not in use. Store at moderate temperatures. Do not contaminate. Keep from freezing.

Other Precautions: **KEEP OUT OF THE REACH OF CHILDREN.** Have eyewash accessible to use in handling area.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Product Name	OSHA PEL	NIOSH REL	AIHA WEEL	ACGIH TLV
Hydrogen Fluoride (7664-39-3)	3ppm	3ppm		0.5ppm
Sulfuric Acid (7664-93-9)	1mg/m ³	1mg/m ³		0.2mg/m ³

- **Respiratory Protection:** Usually not required. Use NOISH approved respirator for organic mists it builds up.
- **Ventilation:** Local exhaust is normally adequate.
- **Protective Gloves:** Rubber or neoprene gloves are recommended.
- **Eye Protection:** Safety glasses or chemical splash goggles are recommended.
- **Other Protective Equipment:** Rubber aprons
- **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:	N/A
Specific Gravity (Water = 1):	1.1-1.2
Vapor Pressure:	N/A
Vapor Density (Air = 1):	N/A
Evaporation Rate (Water = 1):	More than 1
Solubility in Water:	Complete
pH @ 100% solution:	0.0-1.5
Appearance/Odor:	Clear liquid; Slightly acidic odor

SECTION X - STABILITY AND REACTIVITY

Stability Data: Stable

Incompatibility: Alkaline materials and will etch glass

Hazardous Decomposition Products: None

Hazardous Polymerization: Will not occur

SECTION XI - TOXICOLOGICAL INFORMATION

Routes of Entry	Dermal, Oral, and Inhalation
Symptoms	Corrosion
Skin Irritant	Yes
Eye Irritant	Yes
Sensitizers	Not determined
Mutagenicity	No information found

Carcinogenicity	None
Reproductive	No information found
Target Organs	None
Aspiration Hazards	None

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.

Test	Results	Basis
Dermal	No data	
Oral	No data	
Inhalation	638 ppm	ATE determined Category 3

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 and Sulfuric Acid mixture

D.O.T. Classification: 8, 6.1, CORROSIVE, UN1786, PGI

D.O.T. Placard: UN1786/CORROSIVE

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	7664-93-9
Chemical Name:	Hydrogen Fluoride	Sulfuric Acid
Percent by Weight:	<10	<15

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

Hydrogen Fluoride	7664-39-3	100
Sulfuric Acid	7664-93-9	1,000

SECTION XVI - OTHER INFORMATION

Date Issued: 12/28/2017 **Supersedes:** 6/22/2016

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.