



ENERGY

WHEEL FIRE

SDS

2461

SAFETY DATA SHEET

SECTION I - IDENTIFICATION

PRODUCT TRADE NAME: Wheel Fire

Chemical Family: N/A

Formula: Proprietary

Product #: 2461

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 4

Category 1

Category 1

Precautionary Statements:

- Do not breathe in mist/vapors/spray/fumes
- Wash hands thoroughly after handling
- Do not eat, drink or smoke when handling product
- Use only outdoors or in a well-ventilated area
- Wear protective gloves, clothing and eye protection
- IF SWALLOWED: Rinse mouth. Do not induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.
- IF ON SKIN (or hair): Remove all contaminated clothing immediately. Rinse skin with water/shower.
- IF INHALED: Remove victim to fresh air and keep in a position comfortable 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
- Rinse mouth
- Wash all 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:

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

Potential Acute Effects:

- Eyes-** Can cause serious irritation to eye damage
- Skin-** Causes skin burns; severity increases over duration of contact
- Inhalation-** Can cause headache, dizziness, and nausea
- Ingestion-** May cause severe irritation and gastrointestinal damage

SECTION III - COMPOSITION INFORMATION

Name of Hazardous Ingredients	CAS Number	% by Weight
Hydrofluoric Acid	7664-39-3	<10
Isopropyl Alcohol	67-63-0	<10

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 with water for 15 minutes. Use a mild soap.

Seek medical attention if a rash occurs or irritation continues.

INHALATION: Remove person to fresh air. Avoid excessive contact with mist. Begin CPR if breathing has stopped and seek immediate medical attention.

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, foam, dry chemical, fog, sand, earth satisfactory

Special Fire Fighting Procedures: N/A

Hazardous Combustion Products: None



C K 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. Do not store in an area of high temperature. Do not store in area of oxidizing/reducing agents.

Other Precautions: KEEP OUT OF THE REACH OF CHILDREN. Follow the direction of the product label. Take the necessary safety precautions to protect your health.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Product Name	OSHA PEL	NIOSH REL	AIHA WEEL	ACGIH TLV
Hydrofluoric Acid (7664-39-3)	3ppm	3ppm		0.5ppm
Isopropyl Alcohol (67-63-0)	400ppm	400ppm		200ppm

- **Respiratory Protection:** Use a NIOSH approved respirator if exposure limits are reached or exceeded
- **Ventilation:** Ventilation recommended to control mist. Use in a well-ventilated area.
- **Protective Gloves:** Rubber or neoprene gloves
- **Eye Protection:** Safety glasses or chemical splash goggles
- **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):	1.025-1.10
Vapor Pressure:	N/A
Vapor Density (Air = 1):	N/A
Evaporation Rate (Water = 1):	N/A
Solubility in Water:	Insoluble
pH @ 100% solution:	0.0-2.0
Appearance/Odor:	Clear to straw liquid; Mild characteristic odor

SECTION X - STABILITY AND REACTIVITY

Stability Data: Stable
Incompatibility: Chlorine-containing compounds, strong oxidizing agents
Hazardous Decomposition Products: Toxic chlorine gas can be liberated if mixed with chlorine-containing compounds
Hazardous Polymerization: Will not occur

SECTION XI - TOXICOLOGICAL INFORMATION

Routes of Entry	Dermal, Oral, and Inhalation
Symptoms	Increase with prolonged exposure
Skin Irritant	Yes

Eye Irritant	Yes
Sensitizers	Not determined
Mutagenicity	No information found
Carcinogenicity	Isopropyl Alcohol: IARC Group 3 (not classifiable as a human carcinogen)
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	3,762 mg/kg	ATE determined beyond Category 4
Oral	915 mg/kg	ATE determined Category 4
Inhalation	15,204 ppm	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 no 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	67-63-0
Chemical Name:	Hydrofluoric Acid	Isopropyl Alcohol
Percent by Weight:	<10	<10

CERCLA reportable quantity value (in pounds):
Hydrofluoric Acid **7664-39-3** **100**

SECTION XVI - OTHER INFORMATION

Date Issued: 12/28/2017 **Supersedes:** 7/7/2016

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.