



# SDS

# 1654

## SAFETY DATA SHEET

### SECTION I - IDENTIFICATION

**PRODUCT TRADE NAME: Fire**

Chemical Family: Acid Detergent- Descaler

Formula: Proprietary

Product #:1654

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; 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
- 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:**

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

**Potential Acute Effects:**

Eyes- causes severe eye irritation and burns with prolonged contact  
 Skin- causes dryness and irritation and burns with prolonged contact  
 Inhalation- causes headaches dizziness or nausea  
 Ingestion- causes severe irritation and gastrointestinal damage

### SECTION III - COMPOSITION INFORMATION

Name of Hazardous Ingredients	CAS Number	% by Weight
Sulfuric Acid	7664-93-9	1-5%
Phosphoric Acid	7664-38-2	5-10%
Glycolic Acid	79-14-1	1-5%

### 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, sand, earth satisfactory

**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. 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.** Follow directions on 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
Sulfuric acid (7664-93-9)	1mg/m <sup>3</sup>	1mg/m <sup>3</sup>		0.2mg/m <sup>3</sup>
Phosphoric acid (7664-38-2)	1mg/m <sup>3</sup>	1mg/m <sup>3</sup>		1mg/m <sup>3</sup>

- **Respiratory Protection:** N/A
- **Ventilation:** Ventilation recommended to control mist. 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):** 1.09-1.11  
**Vapor Pressure:** N/A  
**Vapor Density (Air = 1):** N/A  
**Evaporation Rate (Water = 1):** N/A  
**Solubility in Water:** Complete  
**pH @ 100% solution:** 0.0-1.0  
**Appearance/Odor:** Clear liquid;

## SECTION X - STABILITY AND REACTIVITY

**Stability Data:** Stable  
**Incompatibility:** Strong oxidizing agents, Alkali, Sodium Hypochlorite  
**Hazardous Decomposition Products:** do not mix with bleach products, may emit toxic mustard gas  
**Hazardous Polymerization:** Will not occur

## SECTION XI - TOXICOLOGICAL INFORMATION

**Routes of Entry** Dermal, Oral, and Inhalation  
**Symptoms** Corrosive  
**Skin Irritant** Yes

**Eye Irritant** Yes  
**Sensitizers** Not determined  
**Mutagenicity** No reported mutagenic effects on humans  
**Carcinogenicity** None  
**Reproductive** Not determined  
**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 using the additive formula (ATE) has been determined.

Test	Results	Basis
<b>Dermal</b>	23,184 mg/kg	ATE determined beyond Category 4
<b>Oral</b>	7,739 mg/kg	ATE determined beyond Category 4
<b>Inhalation</b>	4.63 mg/l	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:** Corrosive Liquid, Acidic, Inorganic, n.o.s (contains Sulfuric Acid and Phosphoric Acid)  
**D.O.T. Classification:** 8, Corrosive, UN3264, PGI  
**D.O.T. Placard:** UN3264/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 #** 7664-93-9  
**Chemical Name:** Sulfuric Acid  
**Percent by Weight:** 1-5%

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

<b>Sulfuric Acid</b>	<b>7664-93-9</b>	<b>1,000</b>
<b>Phosphoric Acid</b>	<b>7664-38-2</b>	<b>5,000</b>

## SECTION XVI - OTHER INFORMATION

**Date Issued:** 12/28/2017      **Supersedes:** 6/27/2016

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.