

Safety Data Sheet



Suppliers Chemical
PO Box 226
Ellisville, MO 63011

Section 1. Chemical Product and Company Identification

Product Name FW-Grip
Product Use High Acid Truck Wash
Product Code 83548-FWG-A
Date of Issue 05/19/2025
Supersedes

Emergency Telephone Numbers CHEMTREC- 1-800-424-9300

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

Section 2. Hazards Identification

Emergency Overview

DANGER



Health Hazards

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

Precautionary Statements:

P260	Do not breathe in mist, vapors or fumes
P264	Wash hands thoroughly after handling
P270	Do not eat, drink or smoke while using this product
P271	Use outdoors or in a well-ventilated area
P280	Wear protective gloves/clothing/eye protection/face protection
P301+P330+P331	IF SWALLOWED: rinse mouth. Do not induce vomiting. Immediately call a poison center or physician
P303+P361+P353	IF ON SKIN (or in hair): remove all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: remove victim to fresh air and keep in comfortable position for breathing
P305+P351+338	IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310	Immediately call a poison center or physician
P363	Wash contaminated clothing before reuse
P403+P233	Store in a well-ventilated place. Keep container tightly closed
P405	Store locked up
P501	Dispose of in accordance with all federal, state and local regulations

Hazard Statements:

H301	Toxic if swallowed
H314	Causes severe skin burns and eye damage
H331	Toxic if inhaled

Routes of Entry Dermal, Oral, and Inhalation

Acute Effects:

Eyes	Vapors, liquids 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, liquids and mists 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 3. Composition/Information on Ingredients

<u>Name of Hazardous Ingredients</u>	<u>CAS Number</u>	<u>% by Weight</u>
Phosphoric Acid	7664-38-2	<8
Hydrogen Fluoride	7664-39-3	<20
Sulfuric Acid	7664-93-9	<5
Proprietary Blend of Ingredients		

Section 4. First Aid Measures

Eye Contact	Flush immediately with clean water for 15 minutes. Seek medical attention. Treat all cases like hydrofluoric acid contact.
Skin Contact	Flush immediately with clean water for 15 minutes. If burns or rash develop, seek medical attention. Treat all cases like hydrofluoric acid contact.
Inhalation	Remove to fresh air. Begin CPR if breathing has stopped and seek immediate medical attention.
Ingestion	Do not induce vomiting. Give several glasses of water. Never give anything to an unconscious person orally. Seek immediate medical attention.

Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A)
(estimated rating)



Hazardous Combustion Products	Not combustible
Extinguishing Media	Media applicable to surrounding fire.
Unsuitable Extinguishing Media	N/A
Fire Fighting Procedures	Wear protective gear. Use water spray to cool fire-exposed containers.

Section 6. Accidental Release Measures

Spill Clean Up 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 7. Handling and Storage

Handling and Storage Keep container tightly closed when not in use. Store at moderate temperatures. Do not contaminate. Keep from freezing. Keep out of the reach of children. Have eyewash accessible to use in handling area.

Section 8. Exposure Controls/Personal Protection

Exposure Limits

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
Phosphoric Acid (7664-38-2)	1mg/m ³	1mg/m ³	-	1mg/m ³

Engineering Controls Local exhaust is normally adequate

Personal Protective Equipment (PPE)

Eyes Safety glasses or chemical splash goggles

Body Rubber or neoprene gloves, rubber aprons

Respiratory Not usually required; use NIOSH approved respirator if TLV are reached or exceeded



Section 9. Physical and Chemical Properties

Physical State	Liquid	Explosive Limits	N/A
Color	Clear	Vapor Pressure	N/A
Odor	Slightly acidic odor	Vapor Density	N/A
Odor Threshold	N/A	Relative Density	N/A
pH	2.4	Solubility	Complete
Freezing Point	N/A	Partition Coefficient	N/A
Boiling Point	N/A	Auto-Ignition Temp.	N/A
Flash Point	N/A	Decomposition Temp.	N/A
Evaporation Rate	>1	Viscosity	N/A
Flammability	Non-Flammable	Specific Gravity	1.084

Section 10. Stability and Reactivity

Stability and Reactivity	Stable
Incompatibility	Alkaline materials and will etch glass
Hazardous Polymerization	Will not occur
Hazardous Decomposition Products	None

Conditions to Avoid N/A

Section 11. 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 Toxicity	No information found
Target Organs	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.

Acute Toxicity

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

Section 12. Ecological Information

Environmental Effects

No ecological information available

Section 13. Disposal Considerations**Waste****Information**

Dispose of in accordance with all Federal, State and Local pollution control regulations.

Section 14. Transportation Information

Regulatory Information	UN number	Proper Shipping Name	Classes	Packaging Group	Label Code
DOT Classification	UN1786	Hydrofluoric Acid and Sulfuric Acid Mixture	8, 6.1	PGI	Corrosive Poison

Note: DOT Classification applies to most packaging sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

Section 15. Regulatory Information**US Federal Regulations**

The following substances are listed as a toxic chemical and are subject to report under the SARA act Section 313:

Hydrogen Fluoride	7664-39-3	<10
Sulfuric Acid	7664-93-9	<15

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

Phosphoric Acid	7664-38-2	5,000
Hydrogen Fluoride	7664-39-3	100
Sulfuric Acid	7664-93-9	1,000

State Regulations

None

Section 16. Other Information**Last Revision**

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.