

FLEET WASH NPA

Revision 01/30/2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier
Recommended use
Distributed by:

FLEET WASH NPA
Cleaner
DyChem International
560 North 500 West
Salt Lake City, UT 84116
(800) 453-4606
InfoTrac (800) 535-5053

Emergency Contact # (24 Hour)

2. HAZARDOUS IDENTIFICATION

Classification of the substance or mixture

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity, Oral (Category 2), H300
Acute toxicity, Inhalation (Category 2), H330
Acute toxicity, Dermal (Category 1), H310
Skin corrosion (Category 1A), H314
Serious eye damage (Category 1), H318

GHS label elements, including precautionary statements

H300 – Fatal if swallowed
H330 – Fatal if inhaled
H310 – Fatal in contact with skin
H314 – Causes severe skin burns and eye damage
H318 – Causes serious eye damage.



Signal word: Danger

Hazards not otherwise classified (HNOC) or not covered by GHS

None

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Substance(s) Description</u>	<u>CAS#</u>	<u>Percentage</u>
Sulfuric Acid	7664-93-9	1 - 5
Hydrofluoric Acid	7664-39-3	1 - 3
Proprietary Surfactant Blend	N/A	

4. FIRST AID MEASURES

Inhalation First Aid

Inhalation is unlikely; however, if it does occur, remove victim to fresh air. If not breathing, give artificial

	respiration. If breathing is difficult, administer oxygen. Seek medical attention.
Skin Contact First Aid	Remove contaminated clothing and shoes. Wash exposed areas with soap and water. For burns that are 25 square inches or larger or burns or irritations that seem worsen. Seek immediate medical attention.
Eye Contact First Aid	Contact with even diluted material should be treated immediately. Flush with plenty of water for at least 15 minutes holding eyelids apart to ensure flushing of entire eye surface. Seek medical attention immediately, especially if in contact with concentrate. No oils or oily ointments should be used unless ordered by a physician.
Ingestion First Aid	Contact a physician immediately. Do not induce vomiting! Give large quantities of water or milk. If vomiting occurs spontaneously, keep head below hip to prevent liquid entering the lungs. Do not give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	The most important known symptoms and effects are described in the labeling.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Hazards from mixture	This product is not defined as flammable or combustible; however, under fire conditions it may support combustion and produce toxic oxides of carbon and various hydrocarbons.
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary/available.
Further information	No data available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid breathing vapors, mist or gas.
Protective equipment and emergency procedures	For personal protection see Section 8.
Environmental precautions	Avoid large concentrations of product in a confined area.

FLEET WASH NPA

Revision 01/30/2015

Materials for containment and clean up

Mop and/or absorbent materials.

Methods for cleanup containment

Completely contain spilled material. Dilute with water and absorb spill with inert media and scoop into disposal containers. Neutralize remaining traces of material with lime (calcium hydroxide). The spill area should then be flushed with water followed by liberal covering of sodium bicarbonate. All clean-up material should be removed and placed in approved containers for disposal. If spilled on soil, sand, etc., remove affected soils and place in containers for disposal. Persons performing clean-up work should wear adequate personal protective equipment and clothing. Large spills should be removed using a vacuum truck.

Reference to other sections

See Section 13 for disposal procedures

7. HANDLING AND STORAGE

Precautions for safe handling

Wear protective goggles or face shield and rubber gloves while handling this product to avoid eye and skin contact. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage containers should be stored in a cool, dry and well-ventilated area away from strong oxidizing agents.

Specific end use(s)

Apart from the uses stated in Section 1, no other specific uses are stipulated.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Personal Protective Equipment (PPE)**Respiratory Protection**

A respirator should be worn if exposed to excessive mists for prolonged periods.

Skin Protection

Gloves should be worn when excessive skin contact cannot be avoided.

Eye Protection

Chemical goggles or face shield is recommended to prevent contact with eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance**Form:** Liquid **Color:** Water White**Odor**

Mild

Odor Threshold

No data available

FLEET WASH NPA

Revision 01/30/2015

pH	<1 (Concentrate)
Melting/Freezing point	Melting point/range: 801° C (1,474° F)
Initial boiling point	1,413° C (2,575° F)
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Explosive limits	No data available
Vapor pressure	1.33 hPa (1.00 mmHg) at 865° C (1, 589° F)
Vapor density	No data available
Relative density	1.1 g/cm ³
Water solubility	Complete
Partition coefficient n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

10. STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	Stable
Possibility of hazardous reactions	Hazardous polymerization will not occur
Conditions to avoid	Exposure to high temperatures
Incompatible materials	Alkaline, metals, cyanides, sulfides, glass, ceramic
Hazardous decomposition products	Hydrogen gas from contact with metals In the event of fire: see Section 5

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

	<u>Hydrofluoric Acid</u>	<u>Sulfuric Acid</u>
OSHA PEL/TWA	3 PPM CEILING AS F	1 MG/M3
ACGIH TLV/TWA	3 PPM CEILING AS F	1 MG/M3
Eye Contact	Severe burns/reversible damage with prompt first aid.	
Inhalation	Possible burns to respiratory tract.	
Skin Contact	Contact can cause burns.	
Ingestion	Ingestion may cause gastrointestinal burns.	
Chronic	No evidence of chronic effects from available data.	

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish	LC50 - Lepomis macrochirus (Bluegill) - 5,840 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates	NOEC - Daphnia - 1,500 mg/l - 7 d LC50 - Daphnia magna (Water flea) - 1,661 mg/l - 48 h
Bioaccumulative potential	No data available

FLEET WASH NPA

Revision 01/30/2015

Persistence and degradability
Mobility in soil
Results of PBT and vPvB assessment
Other adverse effects

No data available
 No data available
 PBT/vPvB assessment not available as chemical safety assessment not required
 No data available

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods
Product

Offer surplus and non-recyclable solution to a licensed disposal company.

Contaminated packaging

Containers of this material may be hazardous when emptied since emptied containers retain product residues (vapor, liquid, and/or solid). Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

UN number:	1760	Class:	8 (6.1)	Packing group:	II
Proper shipping name:	Hydrofluoric Acid		Poison Inhalation Hazard:	No	
Marine Pollutant:	No		Reportable Quantity (RQ):	208 lbs	

IMDG

UN number:	1760	Class:	8 (6.1)	Packing group:	II
Proper shipping name:	HYDROFLUORIC ACID		EMS-No:	F-A, S-B	
Marine Pollutant:	No				

IATA

UN number:	1760	Class:	8 (6.1)	Packing group:	II
Proper shipping name:	Hydrofluoric Acid				

15. REGULATORY INFORMATION

OSHA Category

Hazardous

SARA 313 Supplier Notification

Hydrofluoric acid – 3% W/W

Oxalic Acid – 4% W/W

Sulfuric Acid – 6% W/W

All Ingredients are Listed on the TSCA Inventory

16. OTHER INFORMATION

Special Precautions or Other Comments: All hazard precautions given in the data sheet must be observed. The information accumulated herein is believed to be accurate but is not warranted to be regardless of whom it originates with. Recipients are advised to confirm prior to need that the information is current, applicable, and suitable to their circumstances.