

Safety Data Sheet

SUC 780 70099129



Niagara National
2135 Hills Avenue, NW
Atlanta, GA 30318

Section 1. Chemical Product and Company Identification

Product name HEAVY DUTY TRUCK WASH
Product use Liquid Concentrated Acid Cleaner
Product code V267
Date of issue 04/12/12 **Supersedes** 11/13/10

Emergency Telephone Numbers

For MSDS Information:
Compliance Services 404-603-7903

For Medical Emergency
(877) 541-2016 Toll Free - All Calls Recorded

For Transportation Emergency
CHEMTREC: (800) 424-9300 - All Calls Recorded
In the District of Columbia (202) 483-7616

Prepared By

Compliance Services
1420 Seaboard Industrial Blvd.
Atlanta, GA 30318

1734



MUTUAL WHEEL CO.
2345 4TH AVE
MOLINE IL 61265-1588

Section 2. Hazards Identification

Emergency overview

DANGER! POISON

CAUSES EYE, SKIN AND MUCOUS MEMBRANE BURNS.
HARMFUL OR FATAL IF SWALLOWED. HARMFUL IF INHALED
OR ABSORBED THROUGH SKIN.

*Hazard Determination System (HDS): Health, Flammability, Reactivity

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NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

Acute Effects

Routes of Entry

Dermal contact. Eye contact. Inhalation.

- Eyes** Causes eye burns. Direct contact with the eyes can cause irreversible damage, including blindness. Inflammation of the eye is characterized by redness, watering and itching.
- Skin** Causes skin burns. Skin contact can produce inflammation and blistering. The amount of tissue damage depends on length of contact. Contact results in immediate skin absorption which may cause hypocalcemia (calcium loss) This effect may be delayed for several hours after exposure. Severe over-exposure by absorption can result in death. Get immediate medical attention.
- Inhalation** Avoid breathing vapors, spray or mists. Vapors and aerosol can produce mucous membrane, nose and throat irritation. Exposure can cause lung irritation, chest pain and edema, which may be fatal.
- Ingestion** May be fatal if swallowed. May cause burns to mouth, throat and stomach. May cause impaired kidney function..

Chronic effects

Contains material that can cause target organ damage. Repeated or prolonged exposure to the substance can produce kidney damage. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. Repeated skin exposure can produce local skin destruction or dermatitis.

Carcinogenicity

Contains material which can cause cancer. Risk of cancer depends on duration and level of exposure.

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
sulphuric acid	A2	1	-	-	Proven.	-

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients	CAS number	% by Weight
sulphuric acid	7664-93-9	10 - 20
Hydrofluoric acid	7664-39-3	5 - 15
Nonylphenol, ethoxylated	9016-45-9	1 - 10

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
Skin Contact	Get medical attention immediately. Flush affected skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing or wear gloves. Continue to rinse for at least 10 minutes. Wash clothing before reuse. Get immediate medical attention while applying and massaging 2.5% calcium gluconate gel, or while soaking skin with 0.13% zephiran chloride solution.
Inhalation	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
Ingestion	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire Fighting Measures

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



Flash Point	Not applicable.
Flammable Limits	Not available.
Flammability	Non-combustible.
Fire hazard	In a fire or if heated, a pressure increase will occur and the container may burst. May emit toxic fumes under fire conditions.
Fire-Fighting Procedures	Use an extinguishing agent suitable for the surrounding fire. Fire-fighters should wear appropriate protective equipment. Do not release runoff from fire to drains or watercourses.

Section 6. Accidental Release Measures

Spill Clean up	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
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Section 7. Handling and Storage

Handling	Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Empty containers retain product residue and can be hazardous. Do not reuse container. Wash thoroughly after handling. Observe label precautions.
Storage	Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). Keep container tightly closed and sealed until ready for use. Do not store in unlabeled containers. Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection**Product name**

sulphuric acid

Exposure limits

ACGIH TLV (United States, 2/2010).

TWA: 0.2 mg/m³ 8 hour(s).

OSHA PEL 1989 (United States, 3/1989).

TWA: 1 mg/m³ 8 hour(s).

NIOSH REL (United States, 6/2009).

TWA: 1 mg/m³ 10 hour(s).

OSHA PEL (United States, 6/2010).

TWA: 1 mg/m³ 8 hour(s).

Hydrofluoric acid

ACGIH TLV (United States, 2/2010). Absorbed through skin.

TWA: 0.5 ppm, (as F) 8 hour(s).

C: 2 ppm, (as F)

OSHA PEL 1989 (United States, 3/1989).

TWA: 3 ppm, (as F) 8 hour(s).

STEL: 6 ppm, (as F) 15 minute(s).

OSHA PEL Z2 (United States, 11/2006).

TWA: 3 ppm 8 hour(s).

NIOSH REL (United States, 6/2009).

TWA: 3 ppm, (as F) 10 hour(s).

TWA: 2.5 mg/m³, (as F) 10 hour(s).

CEIL: 6 ppm, (as F) 15 minute(s).

CEIL: 5 mg/m³, (as F) 15 minute(s).

OSHA PEL (United States, 6/2010).

TWA: 2.5 mg/m³, (as F) 8 hour(s).**Personal Protective Equipment (PPE)**

Eyes Splash goggles. Face shield.



Body Wear appropriate protective clothing to prevent skin contact. Impervious gloves. Chemical resistant boots. Chemical-resistant protective suit.

Respiratory Do not breathe vapor or spray. Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Wear appropriate respirator when ventilation is inadequate.

Section 9. Physical and Chemical Properties

Physical State	Liquid.	Color	Clear. Blue.
pH	<2.5	Odor	Mild.
Boiling Point	104.44°C (220°F)	Vapor Pressure	Not available.
Specific Gravity	1.1	Vapor Density	Not available.
Solubility	Easily soluble in the following materials: cold water and hot water.	Evaporation Rate	1 (Water = 1)
		VOC (Consumer)	0 % (w/w) 0 lbs/gal (0 g/l)

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Incompatibility Reactive or incompatible with the following materials: oxidizing materials and alkalis.

Hazardous Polymerization Under normal conditions of storage and use, hazardous polymerization will not occur.

Hazardous Decomposition Products May emit toxic fumes under fire conditions. Hydrogen fluoride (HF), sulfur oxides (SO₂, SO₃ etc.)

Section 11. Toxicological Information

Acute Toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Nonylphenol, ethoxylated	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
sulphuric acid	LD50 Oral	Rat	2140 mg/kg	-
Hydrofluoric acid	LC50 Inhalation Gas.	Rat	1276 ppm	1 hours
	LC50 Inhalation Vapor	Rat	1100 mg/m3	60 minutes

Section 12. Ecological Information

Environmental Effects Not available.

Aquatic Ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
Nonylphenol, ethoxylated	-	Acute EC50 12 mg/L Fresh water	Algae - Green algae - Pseudokirchneriella subcapitata	96 hours
	-	Acute LC50 1 to 2 ug/L Fresh water	Crustaceans - Fairy shrimp - Thamnocephalus platyurus - Nauplii - 24 hours	48 hours
	-	Acute LC50 4800 ug/L Fresh water	Daphnia - Water flea - Daphnia pulex - Larvae - <=24 hours	48 hours
	-	Acute LC50 1300 ug/L Fresh water	Fish - Bluegill - Lepomis macrochirus - 1 g	96 hours
	-	Chronic NOEC 35 ug/L Fresh water	Fish - Medaka, high-eyes - Oryzias latipes - Fry - 1 days post-hatch	100 days
sulphuric acid	-	Acute LC50 42500 ug/L Marine water	Crustaceans - Aesop shrimp - Pandalus montagui - Adult	48 hours
	-	Acute LC50 42000 ug/L Fresh water	Fish - Western mosquitofish - Gambusia affinis - Adult	96 hours


Section 13. Disposal Considerations

Waste Information

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

Waste Stream Code: D002
Classification: Corrosivity - Hazardous waste
Origin: RCRA waste.

Section 14. Transport Information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	UN2922	Corrosive liquids, poisonous, n.o.s. (sulphuric acid, Hydrofluoric acid)	8 (6.1)	II	
IMDG Class	-	Not determined.	-	-	

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

PG* : Packing group

Section 15. Regulatory Information**U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting:

Product name

sulphuric acid

Hydrofluoric acid

Clean Water Act (CWA) 311: Hydrofluoric acid; sulphuric acid

Clean Air Act (CAA) 112 regulated toxic substances: Hydrofluoric acid

All Components of this product are listed or exempt from listing on TSCA Inventory.

State Regulations

California Prop 65 No products were found.

Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.*