



SAFETY DATA SHEET

Section 1: Identification

Product Name: Mighty VS7 Water Spot Remover
Product Code: DL4005
Product Class: Acidic Cleaner
Manufacturer/Supplier: Mighty Distributing System of America
650 Engineering Drive
Norcross, GA 30092
Telephone: 800-829-3900
Emergency Telephone: CHEMTREC 800-424-9300

Date Prepared: August 22, 2017
Date of Review/Update:

Section 2: Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:

GHS Hazard Symbols:



GHS Classification: Corrosive 1A
Signal Word: Danger

GHS Hazard Statements:

H302 + H312 Harmful if swallowed or in contact with skin
H314 Causes severe skin burns and eye damage
H373 May cause damage to liver, kidneys or blood through prolonged or repeated exposure.

GHS Precautionary Statements:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P306 + P360 IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor/...
P361 + P364 Take off immediately all contaminated clothing and wash it before reuse.

Signs and Symptoms of Exposure:

Eye: Irritation including tearing or redness.
Skin: Prolonged skin contact may cause irritation including redness, irritation, itching.
Ingestion: Gastrointestinal irritation, nausea, vomiting, and diarrhea, upset stomach.
Inhalation: Not a likely route of exposure, but if over-inhalation occurs symptoms would include nose, throat, respiratory irritation.
Medical Conditions Aggravated by Exposure: None known.

HMIS Rating: Health- 3 Fire- 0 Reactivity- 0 Personal Protection- C
0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

Section 3: Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS Number</u>	<u>% Range</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
2-Butoxyethanol	111-76-2	1-10	50ppm	20ppm
Nonylphenol Ethoxylate	9016-45-9	1-10	Not Established	Not Established
Phosphoric Acid	7664-38-2	1-10	1 mg/m3	1 mg/m3
Hydroxyacetic acid	79-14-1	1-10	Not Established	Not Established

Section 4: First Aid Measures

Eye Contact: Flush with large amounts of water for 15 minutes. If symptoms develop, seek medical attention.
Skin Contact: Wash affected area with water for 15 minutes. Remove contaminated clothing and launder before reuse.
Ingestion: Never give anything by mouth to an unconscious person. If person is conscious then give several glasses of water. Do not induce vomiting. Keep warm and quiet. Seek medical attention.
Inhalation: Remove from exposure. Seek fresh air. Keep warm and quiet. If symptoms worsen seek medical attention.

Section 5: Fire-Fighting Measures

Fire and Explosive Properties: Flash Point: none to boil / estimate Flammable Limits: LEL / UEL: No data
Extinguishing Media: Water fog, dry chemicals or carbon dioxide.
Protective Equipment: Full protective equipment including self contained breathing apparatus for confined areas.
Unusual Fire And Explosion Hazards:

Toxic and irritating vapors are generated in the presence of heat. Latent fire hazard and explosion hazard due to possible generation of hydrogen gas in containers.

Section 6: Accidental Release Measures

Steps to be taken if Material is Spilled or Leaked:

Ventilate, neutralize with soda ash or lime, add water if necessary. Remove with inert absorbent.

Section 7: Handling and Storage

Precautions to be taken in Handling and Storage:

Do not wear contact lenses while using this product. Never wear soaked clothing. Launder or dry-clean before wearing. Affix proper warning labels on containers in accordance with 29CFR 1010.1200. Wear Personal Protection Equipment.

Section 8: Exposure Controls and Personal Protection

Ventilation: Use only with adequate ventilation. Avoid breathing vapor or mist. Local exhaust preferred.
Respirator Protection: If below the TLV a properly fitted NIOSH/MSHA approved respirator rated for the hazardous ingredients found in SECTION 3. If the TLV is exceeded engineering or administrative controls should be implemented to reduce exposure.
Skin Protection: Rubber gloves and other impervious clothing including boots rated for protection against ingredients in SECTION 3.
Eye Protection: Safety glasses with side shields or chemical goggles.

Section 9: Physical and Chemical Properties

Boiling Point:	212°F	Vapor Pressure (mmHg @ 68°F):	No data
Vapor Density:	No data	Solubility in Water:	Completely
Specific Gravity:	1.04 ± 0.05	Melting Point:	Not applicable
% Volatile:	90.0 ± 0.5	pH:	2.0 ± 0.5
Appearance/Odor:	Clear yellow liquid, bland odor		

Section 10: Stability and Reactivity

Stability: Stable Materials to Avoid: Strong alkalis, strong oxidizers. May react with metals to release hydrogen gas that can be explosive.
Hazardous Polymerization: Will not occur. Conditions to Avoid: None
Hazardous Decomposition Products: Various hydrocarbons of incomplete combustion. Acid vapors.

Section 11: Toxicology Information

IARC, NTP, or OSHA Carcinogen: No known carcinogenic effects towards humans.

Section 12: Ecological Information

No Data

Section 13: Disposal Considerations

Waste Disposal: Waste from this product is hazardous (D002) as defined by the Resource Conservation and Recovery Act (RCRA) 40CFR261. Dispose of in accordance with federal, state and local regulations.

Section 14: Transport Information

D.O.T. REQUIREMENTS (49CFR 172.101):

The following is not required by D.O.T. when shipped in containers less than 119 gallons, except when shipped by vessel or aircraft. (See CFR29 173.150)
CORROSIVE, COMPOUNDS, CLEANING LIQUID (PHOSPHORIC ACID), 8, NA1760, PGIII

Section 15: Regulatory Information

RQ (REPORTABLE QUANTITY) 49CFR 172.101:

<u>Component</u>	<u>RQ (lbs)</u>	<u>For This Product</u>
Phosphoric Acid	5000	15,000

TSCA (Toxic Substances Control Act) Status:
 CERCLA RQ - 40CFR 302.4:

Component
 Phosphoric Acid

SARA 302 COMPONENTS - 40CFR 355 Appendix A:
SECTION 311/312 HAZARD CLASS - 40CFR 370.2

Immediate (X)
 Delayed (X)
 Fire ()

SARA 313 COMPONENTS - 40CFR 372.65:

COMPONENT
 Glycol Ether (2-Butoxyethanol)
 Phosphoric Acid
 Hydroxyacetic Acid

WORKPLACE HAZARDOUS INFORMATION SYSTEM (WHMIS)

<u>Ingredient</u>		<u>Max. % By Wt.</u>
2-Butoxyethanol	111-76-2	1-10
Nonylphenol Ethoxylate	9016-45-9	1-10
Phosphoric Acid	7664-38-2	1-10
Hydroxyacetic acid	79-14-1	1-10

The intentional ingredients of this product are listed.

<u>RQ (lbs)</u>	<u>For This Product</u>
5000	15,000
None	

Reactive	()
Sudden Release of Pressure	()

<u>CAS NUMBER</u>	<u>% Range</u>
111-76-2	1-10
7664-38-2	1-10
79-14-1	1-10

<u>LD50</u>	<u>LC50</u>
Oral rat - 470mg/kg	Inhal Rat - 450ppm/4H
Oral rat - 4gm/kg	Not Established
Oral rat - 1530mg/kg	Inhal Rat - 850mg/m3/1H
Oral rat - 1950mg/kg	Inhal Rat - 7100ug/m3/4H

CALIFORNIA PROPOSITION 65: None

Section 16: Other Information

Although the information contained herein is believed to be reliable, it is furnished without warranty of any kind. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage.