

Water Spot Remover

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Water Spot Remover
SDS Number: FG3152
Revision Date: 12/14/2015
Version: 1
Supplier Details: Majestic Solutions Distributing Company, Inc
1001 Corporation Pkwy, Ste. 110
Raleigh, NC 27610

Phone: 919-212-1150
InfoTrac Day & Night: 800-535-5053

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

Health, Serious Eye Damage/Eye Irritation, 1
Health, Skin corrosion/irritation, 1 A
Health, Acute toxicity, 1 Dermal
Health, Acute toxicity, 2 Inhalation
Health, Acute toxicity, 2 Oral

GHS Label elements, including precautionary statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

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

GHS Precautionary Statements:

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+350 - IF ON SKIN: Gently wash with soap and water.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor/physician.

Water Spot Remover

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
7664-39-3	3%	Hydrofluoric acid

The specific chemical identity and/or exact percentages are being withheld as a trade secret (CBI). In the event of an emergency, the exact chemical formula and percentages will be given to medical personnel upon request.

All chemicals in this product are reported in the EPA TSCA Inventory.

4 FIRST AID MEASURES

- Inhalation:** If inhaled move to fresh air. If symptoms persist, obtain medical attention.
- Skin Contact:** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If irritation persist, obtain medical attention.
- Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Contact a physician if redness persists.
- Ingestion:** Do not induce vomiting without medical advice. Drink plenty of water to dilute. Do not give anything by mouth to an unconscious or convulsing person. Contact a physician immediately.

5 FIRE FIGHTING MEASURES

- Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
- Extinguishing Methods:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers.
- Specific hazards during fire-fighting:** Burning produces irritant fumes. Exposure to decomposition products may be a hazard to health.
- Special protective equipment:** Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

6 ACCIDENTAL RELEASE MEASURES

- Personal Precautionary Measures:** Use appropriate protective equipment. (See Section 8.) Do not get into eyes, skin, or clothing. Wear respiratory protection. Avoid breathing vapors. Ensure adequate ventilation.
- Environmental Precautions:** Do not let product enter drains. Prevent uncontrolled discharge of product into the environment if safe to do so.
- Methods and Materials for Containment and Cleanup:** Do not discharge into waste water. Soak up with inert absorbent material (e.g. sand, silica gel, sawdust). Sweep up and shovel. Place in a non-leaking container for proper disposal according to Federal, State, and Local regulations.

Water Spot Remover

7

HANDLING AND STORAGE

Handling Precautions:

Wear personal protective equipment when handling product. Handle with care. Take care to avoid waste and spillage when weighing, loading and mixing the product.

Storage Requirements:

Observe label precautions. Keep containers tightly closed in a dry, cool and well ventilated place. Do not allow product to freeze.

Water Spot Remover

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:
Personal Protective Equipment:

Use in well ventilated area.

Personal Protective Equipment: HMIS PP, C | Safety Glasses, Gloves, Apron.

Use good chemical hygiene practice. Avoid contact with skin, eyes, and clothing. Avoid inhalation of vapors.

Hydrofluoric acid (7664-39-3) [3%]

Components with workplace control parameters

STEL 6 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

TWA 0.5 ppm USA. ACGIH Threshold Limit Values (TLV)
Fluorosis Upper Respiratory Tract, Lower Respiratory Tract, skin & eye irritation Substances for which there is a Biological Exposure Index or Indices (see BEI section)

C 2 ppm USA. ACGIH Threshold Limit Values (TLV)
Fluorosis Upper Respiratory Tract, Lower Respiratory Tract, skin & eye irritation Substances for which there is a Biological Exposure Index or Indices (see BEI section)

TWA 3 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

TWA 3 ppm USA. Occupational Exposure Limits (OSHA) - Table Z2
Z37.28- 1969

TWA 2.5 mg/m3 USA. Occupational Exposure Limits (OSHA) - Table Z- 1
Limits for Air Contaminants

TWA 2.5 mg/m3 USA. Occupational Exposure Limits (OSHA) - Table Z- 1
Limits for Air Contaminants

CAS number varies with compound

TWA 3 ppm USA. NIOSH Recommended Exposure Limits
2.5 mg/m3

C 6 ppm USA. NIOSH Recommended Exposure Limits

5 mg/m3
15 minute ceiling value
See Table Z-2

Water Spot Remover

9**PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Hazy orange/pink liquid	Odor:	Cherry
Physical State:	Liquid	Solubility:	Soluble in Water
Odor Threshold:	No data available	Freezing/Melting Pt.:	No data available
Spec Grav./Density:	1.04	Flash Point:	No data available
Viscosity:	No data available	Vapor Density:	No data available
Boiling Point:	No data available	Auto-Ignition Temp:	No data available
Partition Coefficient:	No data available	UFL/LFL:	No data available
Vapor Pressure:	No data available		
pH:	<3.5		
Evap. Rate:	No data available		
Decomp Temp:	No data available		

10**STABILITY AND REACTIVITY**

Reactivity:	Stable
Chemical Stability:	Stable under normal conditions.
Conditions to Avoid:	Open flame and excessive heat.
Materials to Avoid:	Avoid contact with strong oxidizing agents. Strong acids and strong bases.
Hazardous Decomposition:	Carbon dioxide (CO ₂), carbon monoxide (CO). Other unknown decomposition products possible.
Hazardous Polymerization:	Will not occur.

Water Spot Remover

11

TOXICOLOGICAL INFORMATION

Hydrofluoric acid (7664-39-3) [3%]

Information on toxicological effects

Acute toxicity:

Oral LD50 no data available

Inhalation LC50

Dermal LD50

Other information on acute toxicity

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: Eyes: no data available

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrofluoric acid)

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):
no data available

Aspiration hazard: no data available

Potential health effects: Inhalation Toxic if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. Ingestion May be fatal if swallowed. Skin May be fatal if absorbed through skin. Causes skin burns. Eyes Causes eye burns. Causes severe eye burns.

Signs and Symptoms of Exposure: Fluoride ion can reduce serum calcium levels possibly causing fatal hypocalcemia., Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., necrosis of the skin, Material can cause severe burns and blistering which may not be immediately painful or visible. The full extent of tissue damage may not exhibit itself for 12-24 hours after exposure.

Synergistic effects: no data available

Additional Information:

RTECS: Not available

Water Spot Remover

12

ECOLOGICAL INFORMATION

Hydrofluoric acid (7664-39-3) [3%]

Information on ecological effects

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

13

DISPOSAL CONSIDERATIONS

Do not dispose of waste into sewer. Contact a licensed professional waste disposal service to dispose of this material. Dispose of waste material in accordance with all local, regional, national, and international regulations.

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

14

TRANSPORT INFORMATION

UN1790, Hydrofluoric acid, with not more than 60 percent strength, 8,(6.1), PGII

Marine Pollutant: No

Water Spot Remover

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

RQ(100LBS), Hydrofluoric acid (7664-39-3) [3%] CERCLA, CSWHS, EHS302, EPCRAWPC, HAP, MASS, NJEHS, NJHS, OSHAPSM, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

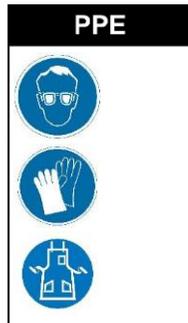
Regulatory CODE Descriptions

RQ = Reportable Quantity
CERCLA = Superfund clean up substance
CSWHS = Clean Water Act Hazardous substances
EHS302 = Extremely Hazardous Substance
EPCRAWPC = EPCRA Water Priority Chemicals
HAP = Hazardous Air Pollutants
MASS = MA Massachusetts Hazardous Substances List
NJEHS = NJ Extraordinarily Hazardous Substances
NJHS = NJ Right-to-Know Hazardous Substances
OSHAPSM = OSHA Chemicals Requiring process safety management
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
SARA313 = SARA 313 Title III Toxic Chemicals
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level
TXHWL = TX Hazardous Waste List

16 OTHER INFORMATION

HMIS III: Health = 1, Fire = 0, Physical Hazard = 0
HMIS PPE: C - Safety Glasses, Gloves, Apron

HMIS	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	C



This information is based on our current knowledge of the product and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.