

OSHA Hazard Communication Standard 29 CFR 1900.1200
Prepared to GHS Rev. 4



**SAFETY
DATA SHEET**

SECTION 1- CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: WSR

Product Use: Water Spot Remover

Use Restrictions: For Industrial and Professional Use Only

Manufacturer: Ultra-Look Corp.
3903 Progress Drive
Lakeland, FL 33811
Phone: 863-607-6700

Transportation Emergency: 800-535-5053 (INFOTRAC)

SECTION 2- HAZARDS IDENTIFICATION

1) GHS Classification of the substance or mixture:

Acute toxicity, Inhalation- Category 4
Acute toxicity, Dermal- Category 3
Acute toxicity, Oral- Category 3
Serious eye damage- Category 1
Skin Corrosion-Category 1A
Carcinogenicity- Category 1A

2) Label Elements:



Signal Word: Danger

Hazard Statements:

H301+H311 - Toxic if swallowed or in contact with skin
H314 - Causes severe skin burns and eye damage
H332 - Harmful if inhaled
H350 - May cause cancer

Precautionary Statements:

P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P264 - Wash skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear protective gloves/protective clothing/eye protection/face protection

Response Statements:

P303+P353+P361+P363- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338+P310- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present, and easy to do so. Continue Rinsing. Immediately call a POISON CENTER or doctor/physician.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P301+P310+P330+P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting.

Storage and Disposal Statements:

P405- Store locked up.
P501- Dispose of contents/container in accordance with local/regional/national regulation.

Other Hazards:

OSHA HCS 2012- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

SECTION 3- COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical/Common Name</u>	<u>CAS #</u>	<u>PERCENTAGE</u>	<u>HAZARDOUS</u>
Hydrofluoric Acid	7664-39-3	1-5%	Yes
Sulfuric Acid	7664-93-9	5-10%	Yes
Dodecylbenzenesulphonic acid	27176-87-0	5-10%	No

SECTION 4- FIRST AID MEASURES

Inhalation: If affected, remove individual to fresh air. If breathing is difficult administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm and quiet and obtain medical attention.

Skin: Immediately flush affected area with lots of water for at least 20 minutes. Remove contaminated clothing and wash before reuse. Call a physician immediately.

Eyes: Flush immediately with large quantities of running water for at least 5 minutes. Obtain medical attention.

Ingestion: Immediately give a lot of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Obtain immediate medical attention.

SECTION 5-FIRE FIGHTING MEASURES**General Hazards-**

Fire: Product is not flammable.

Suitable Extinguishing Media: Dry powder, foam, carbon dioxide, water fog.

Fire Fighting Procedures: Move containers away from the fire area if this can be done without risk. Cool down the containers/equipment exposed to heat with a water spray. Ensure that there is no direct contact between the water and the product.

Unusual Fire and Explosion Hazards: None known

Hazardous Combustion Products: None known

Other Information: Combustion produces irritating gases. Carbon oxides (CO, CO₂). Hydrogen fluoride. Nitric oxide/nitrogen dioxide. ammonia.

SECTION 6- ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Emergency Procedures: As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Ventilate closed spaces before entering.

Environmental precautions: Avoid run off to waterways and sewers.

Methods and material for containment and cleaning up: Stop leak if you can do it without risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to appropriate waste disposal container.

SECTION 7- HANDLING AND STORAGE

Precautions for safe handling:

Avoid contact with skin and eyes by wearing protective clothing and equipment. Avoid inhalation of vapor or mist. Use only with adequate ventilation.

Conditions for safe storage:

Keep container tightly closed in a dry and well-ventilated place. Store away from acids, acidic materials and oxidizers.

SECTION 8- EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

Component	CAS #	ACGIH Exposure Limits	OSHA Exposure Limits
Sulfuric Acid	7664-93-9	0.2 mg/m ³	1 mg/m ³
Hydrofluoric Acid	7664-39-3	0.5 ppm	6 ppm

Personal Protective Equipment-

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

Hand protection: Wear protective gloves made from the following materials- nitrile rubber or polyethylene. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye Protection: Wear safety glasses with side shields.

Skin and Body Protection: Where extensive dermal exposure may be expected, either a chemical suit or chemical apron will be needed.

Hygienic Practices: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas.

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless to light yellow to pale brown
Odor:	Sharp
Odor Threshold:	No data available
Melting Point:	Not applicable
Solubility in Water:	Complete

Boiling Point:	104.4°C
Specific Gravity (WATER=1):	No data available
Vapor Pressure (mmHg):	No data available
Vapor Density (AIR=1):	No data available
Evaporation Rate (WATER=1):	No data available
Flash Point (C.O.C.):	98°C
pH :	4.8-5.5
VOC Content:	0%

SECTION 10- STABILITY AND REACTIVITY DATA

Reactivity: No data available

Stability: Stable under recommended storage conditions.

Material to Avoid: Avoid contact with alkalis and strong oxidizers such as permanganate, chlorine, ect.

Hazardous Polymerization: Will not occur

Hazardous Decomposition Products: On contact with acid release: Hydrogen fluoride.

SECTION 11- TOXICOLOGICAL INFORMATION

Sulfuric Acid 93% (CAS 7664-93-9)-

Acute Toxicity: Harmful if inhaled. May cause respiratory irritation.

Acute oral toxicity- LD50 Oral: 2,296 mg/kg

Species: rat

Remarks: Ingestion causes burns to gastrointestinal tract.

Acute inhalation toxicity- LC50: ~ 510 mg/kg

Species: rat

Remarks: Exposure to mist causes severe burns to respiratory system.

Skin corrosion/irritation- causes severe skin burns and eye damage.

Serious eye damage/eye irritation- causes serious eye damage.

Respiratory or skin sensitization: Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity -single exposure: May cause respiratory irritation.

Specific target organ toxicity -repeated exposure: Not classified.

Aspiration hazard: Not classified

Chronic effects: Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

Hydrofluoric Acid- (CAS 7664-39-3)-

Acute toxicity: 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

Specific target organ toxicity - single exposure: No data available

Specific target organ toxicity - repeated exposure: No data available

Aspiration hazard: No data available

Additional Information

RTECS: Not available

Fluoride ion can reduce serum calcium levels possibly causing fatal hypocalcemia., 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., Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., necrosis of the skin.

SECTION 12- ECOLOGICAL INFORMATION

Sulfuric Acid 93% (CAS 7664-93-9)-

Ecotoxicity: Harmful to aquatic life with long lasting effects. Because of the low pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

Aquatic toxicity- LC50 Oral: 45.0644 mg/l

Duration: 96 hours

Species: fish

Persistence and degradability: No data is available on the degradability of this product.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Hydrofluoric Acid- (CAS 7664-39-3)-

Ecotoxicity: No data available

Persistence and degradability: No data available

Bioaccumulative potential: Not applicable

Log Pow: -0.9

Mobility in soil: May be harmful to plant growth, blooming and fruit formation.

SECTION 13- DISPOSAL CONSIDERATIONS

Further information: Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of as hazardous waste in compliance with local and national regulations.

SECTION 14- TRANSPORT INFORMATION

Transport in accordance with all federal, state and local regulations.

DOT-

UN Number: UN 2922

UN proper shipping name: Corrosive liquids, toxic, n.o.s. (sulfuric acid)

Hazard class: 8, 6.1

Packing group: II

SECTION 15- REGULATORY INFORMATION

US federal regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA Hazardous Substance List (40 CFR 302.4):

Sulfuric Acid (CAS 7664-93-9) Listed.

SARA 304 Emergency release notification:

Sulfuric Acid (CAS 7664-93-9) 1000 LBS

Dodecylbenzenesulphonic acid (27176-87-0) 1000 LBS

Hydrofluoric acid (CAS 7664-93-3) 100 LBS

SARA 302 Threshold Planning Quantity:

Sulfuric Acid (CAS 7664-93-9) 1000 LBS

Hydrofluoric acid (CAS 7664-93-3) 100 LBS

SARA 313 (TRI reporting):

Sulfuric Acid (CAS 7664-93-9)

Hydrofluoric acid (CAS 7664-93-3)

Other federal regulations-

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

Sulfuric Acid (CAS 7664-93-9)

US state regulations-

US. Massachusetts RTK - Substance List:

Sulfuric Acid (CAS 7664-93-9)

Hydrofluoric acid (CAS 7664-93-3)

Dodecylbenzenesulphonic acid (27176-87-0)

US. New Jersey Worker and Community Right-to-Know Act:

Sulfuric Acid (CAS 7664-93-9)

Hydrofluoric acid (CAS 7664-93-3)

Dodecylbenzenesulphonic acid (27176-87-0)

US. Pennsylvania Worker and Community Right-to-Know Law:

Sulfuric Acid (CAS 7664-93-9)

Hydrofluoric acid (CAS 7664-93-3)

Dodecylbenzenesulphonic acid (27176-87-0)

US. California Proposition 65: This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm.

SECTION 16- OTHER INFORMATION

References: Not available

Other Special Considerations: Not available

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