



MAD SOAPS

SAFETY DATA SHEET

Zero Spot

1. IDENTIFICATION

Product Identifier	Zero Spot
Product Code / SKU	MAD-ZERO-030
Recommended Use	Acid-based water spot, mineral deposit, and rust stain remover for marine surfaces. Effective on glass, fiberglass, and stainless steel. Suitable for use by consumers and professional detailers.
Restrictions on Use	Not for use on plastic, anodized surfaces, or mirrored glass. Not for industrial bulk handling or dilution/repackaging. Use only as directed on product label. Neutralize with Prep Potion or Strip Tide after use.

Supplier / Distributor

Company	MAD SOAPS Inc.
Address	2830 Solomons Island Rd, Edgewater, MD 21037
Phone	(833) 623-7627
Email	marketing@madsoaps.com

Emergency Contact

24-Hour Chemical Emergency	CHEMTREC: 1-800-424-9300 (USA / Canada)
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2. HAZARD(S) IDENTIFICATION

Classification

GHS: Acute Toxicity (Oral, Dermal, Inhalation) — Category 3; Skin Corrosion — Category 1A; Serious Eye Damage — Category 1; STOT (Single Exposure) — Category 3.

Label Elements

Pictograms



GHS05 — Corrosion GHS06 — Skull and Crossbones

Signal Word: DANGER

Hazard Statements

H290 — May be corrosive to metals.

H301 — Toxic if swallowed.

H311 — Toxic in contact with skin.

H314 — Causes severe skin burns and eye damage. H331 — Toxic if inhaled.

H335 — May cause respiratory irritation. EUH071 — Corrosive to the respiratory tract.

Precautionary Statements — Prevention

GHS07 — Exclamation Mark

Wear protective gloves, eye protection, and face protection. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Use only outdoors or in a well-ventilated area. Keep out of reach of children. **Precautionary**

Statements — Response

IF ON SKIN: Wash with plenty of water. Remove contaminated clothing and wash before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists. IF INHALED: Remove person to fresh air. Get medical attention if symptoms occur. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call POISON CENTER: 1-800-222-1222 or doctor.

Precautionary Statements — Storage

Store in a cool, well-ventilated place. Keep container tightly closed. Store locked up.

Precautionary Statements — Disposal

Dispose of contents and container in accordance with applicable federal, state, and local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Sulfuric Acid	H ₂ SO ₄	7664-93-9	5 – 10%
Ammonium Bifluoride	Ammonium hydrogen difluoride	1341-49-7	5 – 10%
Proprietary blend (surfactants)	Withheld as Trade Secret	Withheld	1 – 5%
Water	Aqua	7732-18-5	Remainder

Concentrations are percent by weight. The specific chemical identity and exact concentration of one or more components has been withheld as a trade secret in accordance with 29 CFR 1910.1200(i). Hazard information for all components has been disclosed in this SDS. No carcinogens (OSHA, NTP, or IARC) are present in this product.

4. FIRST-AID MEASURES

Eye Contact	Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical attention.
Skin Contact	Wash with plenty of water. Remove contaminated clothing. If irritation occurs, get medical attention.
Inhalation	Remove person to fresh air. Get medical attention if symptoms persist.
Ingestion	Rinse mouth. Do NOT induce vomiting. Call POISON CENTER (1-800-222- 1222) or doctor immediately.
Most Important Symptoms	Eye, skin, and respiratory irritation. Severe burns possible with prolonged contact. Tissue damage possible.
Indication of Medical Attention	Treat symptomatically. Symptoms may be delayed.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Water spray, carbon dioxide (CO ₂), dry chemical, or alcohol-resistant foam.
Unsuitable Extinguishing Media	None known. (Product is non-flammable.)

Specific Hazards	Product does not support combustion. Heating may produce irritating fumes and oxides of carbon.
Special PPE for Firefighters	Full structural fire-fighting protective clothing. SCBA in enclosed spaces.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use appropriate PPE (see Section 8). Isolate the spill area. Keep unauthorized personnel away. Avoid contact with skin, eyes, and clothing.

Environmental Precautions: Prevent entry into waterways, sewers, basements, or confined areas. Do not contaminate water sources or sewers.

Containment & Cleanup: Small spills: absorb with inert material (sand, vermiculite, earth). Large spills: dike to contain. Pump or transfer to approved waste containers. Clean spill area thoroughly with water.

7. HANDLING AND STORAGE

Safe Handling: Avoid contact with eyes, skin, and clothing. Avoid breathing mist or spray. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using.

Safe Storage: Store in a cool, well-ventilated place. Keep container tightly closed. Protect from freezing and high heat. Keep out of reach of children.

Incompatible Storage: Strong oxidizers, bases, ammonia, bleach, soft metals (aluminum, zinc, tin). DO NOT mix with chlorine-based cleaners — releases toxic gas.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use local exhaust ventilation as needed to keep airborne levels below applicable exposure limits. Provide an eyewash station and safety shower in the immediate work area.

Personal Protective Equipment (PPE)

Eye / Face: Chemical splash goggles. Full face shield where splash risk exists.

Hand: Chemical-resistant gloves (neoprene, nitrile, or butyl rubber).

Skin / Body: Chemical-resistant apron or full protective clothing.

Respiratory: Not normally required with adequate ventilation. If exposure limits may be exceeded, use NIOSH approved respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance / Odor	Clear liquid, pungent odor
Color	Clear
pH	1.0
Specific Gravity	1.16
Boiling Point	> 100 °C (>212 °F)
Flash Point	> 200 °F (>93 °C) — does not flash
Vapor Density (air = 1)	>1
Evaporation Rate	0.10 (n-butyl acetate=1)
Viscosity	10 cps
Solubility in Water	Complete in water

10. STABILITY AND REACTIVITY

Reactivity	No dangerous reaction known under normal use conditions.
Chemical Stability	Stable under normal storage and use conditions.
Possibility of Hazardous Reactions	None expected under normal use.
Conditions to Avoid	Extreme temperatures (freezing or high heat). Direct sunlight.
Incompatible Materials	Strong oxidizers, bases, ammonia, bleach, soft metals (aluminum, zinc, tin). DO NOT mix with chlorine-based cleaners — releases toxic gas.
Hazardous Decomposition Products	None under normal conditions. Thermal decomposition may release oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Routes of Exposure: Inhalation, eye contact, skin contact, ingestion.

Skin Corrosion / Irritation: Causes severe skin burns.

Serious Eye Damage / Irritation: Causes serious eye damage.

Sensitization: Not classified as a skin or respiratory sensitizer.

Carcinogenicity: Not classified by IARC, NTP, or OSHA.

Reproductive Toxicity: Not classified.

Reproductive Toxicity: Not classified.

STOT (Single Exposure): May cause respiratory irritation.

Acute Toxicity Data: Detailed LD50/LC50 data on individual components available on request from MAD SOAPS Inc.

at (833) 623-7627.

12. ECOLOGICAL INFORMATION

Ecotoxicity	May be harmful to aquatic life at concentrated use levels. Do not release to waterways.
Persistence / Degradability	Readily biodegradable surfactant components. Inorganic components persist in environment per their chemistry.
Bioaccumulative Potential	Low.
Mobility in Soil	High (water-miscible).

13. DISPOSAL CONSIDERATIONS

Product Disposal: Dispose of contents and container in accordance with all applicable federal, state, and local regulations. Do not pour down drain or into waterways.

Contaminated Packaging: Empty containers retain product residue. Triple-rinse before recycling or disposal per local regulations.

14. TRANSPORT INFORMATION

Proper Shipping Name	Sulfuric acid and Hydrofluoric acid mixture
UN Number	UN1786
Hazard Class	8 (Corrosive)
Packing Group	II

Marine Pollutant	No
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15. REGULATORY INFORMATION

U.S. Federal Regulations

TSCA: All ingredients are listed on the TSCA Chemical Substance Inventory.

SARA 313 (TRI): Sulfuric Acid (CAS 7664-93-9) and Ammonium Bifluoride (CAS 1341-49-7) — both SARA 313 reportable.

SARA 311/312 Hazard Categories: Acute Health Hazard; Reactive Hazard.

State Right-to-Know

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm at reportable levels.

State RTK Lists: Sulfuric Acid (CAS 7664-93-9) is listed on the New Jersey, Massachusetts, Pennsylvania, and Rhode Island Right-to-Know substance lists. CA Prop 65: Sulfuric acid is listed as a carcinogen when in strong inorganic acid mists.

State RTK Lists: Ammonium Bifluoride (CAS 1341-49-7) is listed on the New Jersey and Pennsylvania Right-to-Know substance lists.

16. OTHER INFORMATION

NFPA 704 Hazard Rating

Health: 3 Flammability: 0 Instability: 1 Special: —

Rating scale: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe.

HMIS Rating

Health: 3 Flammability: 0 Physical Hazard: 1 PPE: C

Revision History

Issue Date	August 19, 2026
Version	2.0
Prepared By	MAD SOAPS Inc.

Special Notes

⚠ **HYDROFLUORIC ACID WARNING:** Ammonium Bifluoride in contact with water generates hydrofluoric acid. HF burns may be delayed. Seek immediate medical attention for any skin or eye exposure — even minor — and report HF involvement. Apply calcium gluconate gel if available. Wear chemical-resistant gloves (neoprene or butyl, not latex) and full eye/face protection.

Disclaimer

The information in this Safety Data Sheet is based on data believed to be accurate at the date of preparation. MAD SOAPS Inc. makes no warranty, express or implied, regarding the accuracy or completeness of this information. This SDS is intended as a guide for the safe handling of the product by a properly trained user. The user is responsible for determining the suitability of this product for any particular application and for compliance with all applicable laws and regulations. MAD SOAPS Inc. assumes no liability for any loss or injury arising from use of this information.