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Eisen-Golden Laboratories EG-H3NSO3-8/1

Eisen-Golden Laboratories Sulfamic Acid H3NSO3 99% ACS Grade Powder User Manual

Model: EG-H3NSO3-8/1

1. Important Safety Information

This product is Sulfamic Acid, a chemical compound. Handle with extreme care. Failure to follow safety precautions can result in serious injury or property damage.

- **Corrosive Irritant:** Sulfamic Acid is corrosive and an irritant. Avoid contact with skin, eyes, and clothing.
- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety goggles or face shield, chemical-resistant gloves, and protective clothing, when handling this product.
- **Ventilation:** Use in a well-ventilated area or under a fume hood to avoid inhaling dust.
- **Storage:** Store in a cool, dry place, away from incompatible materials (e.g., strong bases, oxidizing agents). Keep container tightly closed.
- **Emergency Procedures:** In case of contact, immediately flush affected area with plenty of water. Seek medical attention if irritation persists. In case of ingestion, do NOT induce vomiting; seek immediate medical attention.
- **Disposal:** Dispose of unused product and waste in accordance with all local, state, and federal regulations.



Image: Front label of the Sulfamic Acid bottle displaying hazard symbols and the warning "CAUTIONS: Corrosive Irritant". This indicates the need for careful handling.

2. Product Overview

The Eisen-Golden Laboratories Sulfamic Acid is supplied as a 99% pure ACS Grade powder. It is packaged in an 8 fluid ounce (by volume) polypropylene bottle, containing 8 ounces (by weight) of product. The bottle features a space-saver design for efficient storage and a wide mouth for easy dispensing.



Image: Product label detailing "Purity 99%", "Grade ACS Reagent", "Texture Fine Powder", and "CAS # 5329-14-6". A US quarter is shown for scale.

3. Setup

1. **Inspect Packaging:** Before opening, inspect the bottle for any signs of damage or tampering. The screw top is heat-sealed, and the bottle is sealed in plastic for spill prevention during transit.
2. **Prepare Workspace:** Ensure your workspace is clean, well-ventilated, and free from obstructions. Have all necessary tools and safety equipment readily available.
3. **Don PPE:** Put on appropriate personal protective equipment, including safety goggles, chemical-resistant gloves, and protective clothing.
4. **Open Bottle:** Carefully remove the plastic seal and unscrew the cap. The wide mouth of the bottle facilitates easy access to the powder.



Image: A close-up view of the black screw cap, which secures the contents of the bottle.

4. Operating Instructions

Sulfamic Acid has various applications, including descaling, cleaning, and as a reagent in chemical synthesis. Specific usage instructions will vary depending on the intended application. Always consult relevant scientific literature or application-specific guides for detailed procedures.

- **Dispensing:** Carefully pour or scoop the desired amount of powder from the wide-mouthed bottle. Minimize dust generation.
- **Mixing:** When preparing solutions, always add acid slowly to water, never water to acid, to control heat generation. Stir continuously.
- **Application:** Apply the solution or powder according to the specific requirements of your application. Ensure proper ventilation and containment.
- **Post-Use Cleaning:** Thoroughly clean all equipment and surfaces that came into contact with the acid.



Image: Fine white powder, Sulfamic Acid, being poured from its bottle onto a black surface, illustrating its powdered form.

5. Maintenance and Storage

Proper storage is essential to maintain the integrity and safety of Sulfamic Acid.

- **Storage Conditions:** Store in the original polypropylene bottle in a cool, dry, well-ventilated area.
- **Keep Container Closed:** Ensure the screw cap is tightly sealed after each use to prevent moisture absorption and contamination.
- **Incompatible Materials:** Keep away from strong bases, oxidizing agents, and other incompatible chemicals.
- **Child and Pet Safety:** Store out of reach of children and pets.

6. Troubleshooting

This section addresses common concerns related to handling Sulfamic Acid.

Issue	Possible Cause	Solution

Issue	Possible Cause	Solution
Skin/Eye Contact	Accidental exposure during handling.	Immediately flush with plenty of water for at least 15 minutes. Seek medical attention.
Inhalation of Dust	Insufficient ventilation during handling.	Move to fresh air. If breathing difficulties occur, seek medical attention.
Spillage	Accidental release of powder.	Contain spill. Neutralize with a weak base (e.g., baking soda) if safe to do so, then clean up with absorbent material. Dispose of waste properly. Wear PPE.
Product Clumping	Exposure to moisture due to improper sealing.	Ensure bottle is tightly sealed after each use. Store in a dry environment.

7. Specifications

- **Product Name:** Sulfamic Acid
- **Chemical Formula:** H_3NSO_3
- **Purity:** 99% Pure
- **Grade:** ACS Reagent Grade
- **Texture:** Fine Powder
- **Weight:** 8 Ounces (227 Grams)
- **Volume:** 8 Fluid Ounces (bottle capacity)
- **CAS Number:** 5329-14-6
- **Container Type:** Polypropylene Bottle
- **Model Number:** EG-H3NSO3-8/1
- **UPC:** 640052709706

8. Warranty and Support

For questions regarding product quality, handling, or specific applications, please contact Eisen-Golden Laboratories directly. Information regarding specific warranties, if any, should be obtained from the point of purchase or the manufacturer's official website.
Manufacturer: Eisen-Golden Laboratories

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Disclaimer: This manual provides general guidance. Always refer to the Safety Data Sheet (SDS) for comprehensive safety information.

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