

Sulfuric acid (0.5M), stop solution

Revision Date: 17-Apr-2017

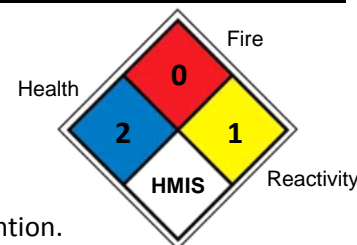
1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: Sulfuric acid (0.5M), stop solution
Catalog #: ACC 00118
Product Use: Stop Solution
Manufacturer: Agdia, Inc.
 52642 County Road 1
 Elkhart, IN 46514
 (574) 264-2014
Contact: Safety Program Facilitator
Fax: (574) 264-2153
Email: info@agdia.com
Web: www.agdia.com
Emergency: Contact physician or poison control hotline.

2 HAZARDS IDENTIFICATION

GHS Classification: **Warning**

GHS Pictograms:



Precautions: If exposed or concerned, seek medical advice or attention.
GHS Hazards: May cause respiratory, skin, and eye irritation. Avoid breathing vapors. Avoid contact with metals. May cause cancer

3 COMPOSITION / INFORMATION ON INGREDIENTS

Composition / Formula: Water (CAS# 7732-18-5), 95.24%; Sulfuric acid, 18M (CAS# 7664-93-9), 4.76%

4 FIRST AID MEASURES

Inhalation: Move to fresh air. If breathing is difficult, provide oxygen. Seek medical attention if needed.
Skin Contact: Immediately remove all contaminated clothing, wash with soap and plenty of water. Consult a physician.
Eye Contact: Rinse immediately with water for at least 15 minutes, lifting eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Immediate medical attention is required.
Ingestion: Rinse mouth with water. Do NOT induce vomiting. Consult a physician.

5 FIRE FIGHTING MEASURES

Fire Fighting: Not expected to ignite. If involved in a fire, use dry chemical, CO2 or foam.
Specific Fire Hazards: Corrosive Material. Possible release of sulfur oxides. Keep product and container away from heat and sources of ignition.

6 ACCIDENTAL RELEASE MEASURES

Accidental Release: Wear suitable laboratory protective clothing. Pick up excess with inert absorbant material and place into separate waste container. Flush area with warm soapy water.

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7 HANDLING AND STORAGE

Handling Precautions: Use standard laboratory safety practices. Protective gear shown in Section 8. Do not breathe vapors.

Storage Requirements: Store at room temperature in a well ventilated area.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use mechanical (general) ventilation for storage areas.

Protective Equipment: Handle in accordance with good industrial hygiene and safety practices. Eye protection and gloves recommended. If substance is a powder, nuisance exposures may be avoided with use of type P95 (US) or type P1 (EU EN 143) particle respirator.

Exposure Guidelines: PEL - None Established. TLV - None Established.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid

Odor: None

Flash Point: Not available.

Physical State: Liquid

pH: ~ 0.5

Autolgnition: Not available.

Solubility: Completely soluble in water

Other Information: Decomposition temperature: 340°C. No additional physical or chemical information available.

10 STABILITY AND REACTIVITY

Reactivity Hazards: Moderately reactive.

Conditions To Avoid: Rapid mixing in water

Stability: Stable under normal conditions.

Materials To Avoid: Organic materials, Strong acids and bases, Strong reducing agents, Acetaldehydes, Cyanides, Sulfides

Hazardous By-products: Hazardous Decomposition Products: Sulfur oxides, Hydrogen. Hazardous Reactions: Contact with metals may evolve flammable hydrogen gas.

11 TOXICOLOGICAL INFORMATION

Toxicology Information: Causes severe burns by all exposure routes. Known to IARC to be carcinogenic to humans.

12 ECOLOGICAL INFORMATION

Ecological Information: No data available

13 DISPOSAL CONSIDERATIONS

Disposal: Dispose of in accordance with local regulations.

14 TRANSPORT INFORMATION

Transport Information: Not dangerous goods per DOT, IATA, and IMDG.

15 REGULATORY INFORMATION

Regulatory Information: CERCLA: This material contains one or more substances regulated as a hazard under the CERCLA Sulfuric Acid 1000lb. SARA Title III: Sulfuric acid Weight: 73-98%. SARA 313 Threshold Value: 1.0%. Acute Health and Reactive Hazards

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OTHER INFORMATION

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