

**MATERIAL SAFETY DATA SHEET**

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Date prepared: 02/10/2001  
MSDS Number: ACC00402**Product and Company Identification**Product Name: 3M sulfuric acid  
Catalog Number: ACC 00402Company: Agdia, Inc  
Address: 30380 County Rd 6  
Elkhart, IN 46514  
USA  
Phone: 1-800-622-4342 or  
1-219-264-2014**Material / Ingredient Identification**

Chemical Name:	CAS Number	Exposure Limits
Sulfuric acid	7664-93-9	1 mg/m <sup>3</sup> OSHA 80 mg/m <sup>3</sup> IDLH

**Physical Chemical Characteristics**

Boiling Point: 554°F	Specific Gravity: 1.84 (96-86% acid)
Vapor Pressure: (295°F): 1mm	Melting Point: 50°F
Vapor Density: 3.4	Evaporation Rate: NA
Solubility in Water: Miscible	Water Reactive: Yes
Appearance and odor: Colorless to brown, oily, odorless liquid.	

**Fire and Explosion Hazard Data**Flash Point: N/A  
Flammability Limits: NA  
Extinguisher Media: Dry chemical or carbon dioxide.  
Special Fire Fighting Procedures: Avoid breathing corrosive vapors. Wear self-contained breathing apparatus and protective clothing to prevent contact with eyes and skin. Do not get water inside container. Do not get a solid stream of water on spilled material.  
Unusual Fire and Explosion Hazards: Oxidizer. Oxidizers decompose, particularly when heated, to yield oxygen and other gases that will increase the burning speed of combustible materials.**Reactivity Hazard Data**Chemical Stability: Stable X Unstable \_\_\_\_  
Conditions To Avoid: N/A  
Incompatibility (Materials to avoid): Combustible materials, carbides, chlorates, fulminates, nitrates, picrates, powdered metals, water.  
Hazardous Decomposition Products: Thermal decomposition may release toxic oxides of sulfur.  
Hazardous Polymerization: May Occur \_\_\_\_ Will Not Occur X  
Conditions to Avoid: NA**MATERIAL SAFETY DATA SHEET**

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**Health Hazard Data**Routes of Entry: Inhalation X Ingestion X Skin Absorption X  
Carcinogenicity: NTP \_\_\_\_ IARC Monograph \_\_\_\_ OSHA \_\_\_\_ Not Listed X  
Health Hazards:

Acute: Toxic by inhalation and ingestion. Irritating to eyes, skin and mucous membranes.

Chronic: Repeated inhalation exposure may cause chronic bronchitis, inflammation of the upper respiratory system. Repeated skin contact may cause dermatitis. Repeated eye exposure may result in chronic conjunctivitis.

Signs and Symptoms of Exposure: Inhalation may cause shallower and more rapid breathing, nasal secretions, sneezing, burning or tickling sensation in nose and throat. Eye contact exposure to vapors may cause a burning or stinging sensation and blurred vision. Ingestion may cause a sour taste and burning sensation in mouth, throat, and abdomen.

Medical Conditions Generally Aggravated by Exposure: No data.

**First Aid Procedures**Eye Contact: Flush eyes with water for at least 15 minutes. Get medical attention immediately.  
Skin Contact: Wash skin with soap and water until no evidence of chemical remains. Remove contaminated clothing and wash before reuse.  
Inhalation: Get to fresh air. If breathing has stopped, give artificial respiration. Get medical attention.  
Ingestion: Drink large quantities of milk or water. Get medical attention immediately.**Control and Protective Measures**Respiratory Protection: If respirator is needed, follow OSHA respirator protection standards found in 29CFR1910.134.  
Protective Gloves: Chemical resistant gloves.  
Eye Protection: Chemical safety goggles. Contact lenses should not be worn when using this chemical.  
Ventilation: Local exhaust.  
Other Protective Clothing and Equipment: Wear lab coat or apron.  
Hygienic Work Practices: Use good laboratory practices. Wash hands after using.**Precautions for Safe Handling and Use**

Steps to be Taken If Material Is Spilled Or Released: Wear protective clothing including, rubber gloves, rubber boots, chemical safety goggles. Wear appropriate NIOSH-approved respirator (29CFR1910.134). Dike and cover spill with absorbent.

Waste Disposal Methods: Comply with all applicable federal, state and local regulations.

Precautions to Take in Handling and Storage: Do not get in eyes, on skin, or on clothing.  
Other Precautions and/or Special Hazards: N/A

The above information is believed to be correct but is not all inclusive and should be used only as a guide.