

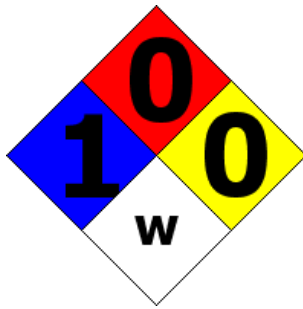
Safety Data Sheet  
according to 29CFR1910/1200 and GHS Rev. 3

Effective date : 12.05.2014

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Sulfuric Acid, 1M

Sulfuric Acid, 1M



NFPA SCALE (0-4)

Health	1
Flammability	0
Physical Hazard	0
Personal Protection	X

HMIS RATINGS (0-4)

SECTION 3 : Composition/information on ingredients

Ingredients:		
CAS 7664-93-9	Sulfuric Acid	10.304 %
CAS 7732-18-5	water, Purified	89.696 %
Percentages are by weight		

SECTION 4 : First aid measures

Description of first aid measures

After inhalation: Move exposed individual to fresh air. Loosen clothing as necessary and position individual in a comfortable position. Provide oxygen if breathing is difficult. Seek immediate medical advice.

After skin contact: Rinse thoroughly. Rinse/flush exposed area gently using water for at least 30 minutes. Seek immediate medical attention. Remove contaminated clothing and discard. Neutralize the soaking solution with sodium hydroxide solution.

After eye contact: Protect unexposed eye. Remove contact lens(es) if able to do so during rinsing. Rinse/flush exposed eye(s) gently using water for at least 30 minutes. Seek immediate medical attention. Rinse under the eyelids during flushing.

After swallowing: Rinse mouth thoroughly. Do not induce vomiting. Have exposed individual drink sips of water. Do not induce vomiting. Seek immediate medical attention.

Most important symptoms and effects, both acute and delayed:

Irritation, Nausea, Headache, Shortness of breath. Burning of eyes or skin. Coughing; Strong inorganic acid mists containing sulfuric acid can cause cancer. Lung damage, chronic bronchitis. Damage to teeth and stomach

Indication of any immediate medical attention and special treatment needed:

If seeking medical attention, provide SDS document to physician. Use of soap may assist with neutralization on exposed skin in conjunction with flushing

SECTION 5 : Firefighting measures

Extinguishing media

Suitable extinguishing agents: If in laboratory setting, follow laboratory fire suppression procedures. Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition. Use dry Chemical, foam, or carbon dioxide to extinguish fire.

For safety reasons unsuitable extinguishing agents: Do not use water directly on sulfuric acid

Special hazards arising from the substance or mixture:

Combustion products may include carbon oxides or other toxic vapors. Poisonous sulfur oxides are combustion

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products. Aerosols or mist may be produced in a fire. Sulfuric acid may ignite combustibles

Advice for firefighters:

Protective equipment: Use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment for fire and chemical resistance

Additional information (precautions): Containers may explode

SECTION 6 : Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Neutralize with lime or soda ash. Use respiratory protective device against the effects of fumes/dust/aerosol. Keep unprotected persons away. Ensure adequate ventilation. Keep away from ignition sources. Protect from heat. Stop the spill, if possible. Contain spilled material by diking or using inert absorbent. Transfer to a disposal or recovery container.

Environmental precautions:

Prevent from reaching drains, sewer or waterway. Collect contaminated soil for characterization per Section 13

Methods and material for containment and cleaning up:

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Respiratory protection:

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Oral:	7664-93-9	LD50 Rat: 2140 mg/kg
Inhalation:	7664-93-9	LD50 Rat: 510 mg/m <sup>3</sup> - 2h
Chronic Toxicity:		

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UN-Number

2796

UN proper shipping name

Sulfuric Acid Solution

Transport hazard class(es)



Class:

8 Corrosive substances

Packing group:II

Environmental hazard:

Transport in bulk:

Name: 49CFR173.242

Ship type: Not Applicable

