
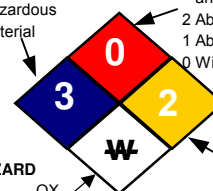


SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Distributor: John W. Gaspirini Inc. P.O. Box 121554, Fort Worth, TX 76121 Tel: 1-866-767-6865 Web Site: www.Markspp.com E-mail: sales@markspp.com	For any transportation or medical chemical emergencies call: <p style="text-align: center;">INFOTRAC: (800) 535-5053 24 hours per day - 7 days a week</p>
Product Name: Mark's Shark Attack Sulfuric Acid Drain Opener #04100	Recommended Use: Liquid drain opener for opening clogged drains, dissolving organic matter and melting heavy grease deposits

SECTION 2 - HAZARD(S) IDENTIFICATION

<p style="text-align: center;">Label</p> 	<p style="text-align: center;">NFPA</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>HEALTH HAZARD</p> 4 Deadly 3 Extreme Danger 2 Hazardous 1 Slightly Hazardous 0 Normal Material </div> <div style="width: 45%;"> <p>FIRE HAZARD Flash Points</p> 4 Below 73°F (Boiling pt. below 100°F) 3 Below 73°F (Boiling pt. at/above 100°F) and/or at/above 73°F - not exceeding 100°F 2 Above 100°F, Not exceeding 200°F 1 Above 200°F 0 Will not burn </div> </div> <div style="text-align: center;">  </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SPECIFIC HAZARD</p> Oxidizer OX Use NO WATER W Simple Asphyxiant SA </div> <div style="width: 45%;"> <p>INSTABILITY</p> 4 May detonate 3 Shock and heat may detonate 2 Violent chemical changes 1 Unstable if heated 0 Stable </div> </div>		<p style="text-align: center;">HMIS</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>HEALTH 3</p> <p>FLAMMABILITY 0</p> <p>REACTIVITY 2</p> <p>PPE H</p> </div> <div style="width: 45%;"> <p>0 Minimal Hazard 1 Slight Hazard 2 Moderate Hazard 3 Serious Hazard 4 Severe Hazard</p> </div> </div>
<p style="text-align: center;">Signal word</p> <p style="text-align: center; font-size: 1.2em;">DANGER</p>	<p style="text-align: center;">Environmental</p> <p>Acute Toxicity: N/A Chronic Toxicity: N/A</p>		<p style="text-align: center;">Physical</p> <p>Flammability: N/A Other: N/A</p>
<p style="text-align: center;">Hazardous Statement</p> <p>CAUSES SEVERE BURNS. HARMFUL OR FATAL IF SWALLOWED.</p>		<p style="text-align: center;">Precautionary Statement</p> <p>Avoid contact with skin and eyes. Do not allow to be taken internally. Keep out of reach of children.</p>	

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Chemicals	CAS #	EINECS#	Approx %
SULFURIC ACID	7664-93-9	231-639-5	90-99.9%
<small>Title III Section 313 Supplier Notification: This product contains toxic chemicals subject to the reporting requirement of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40CFR372. This information must be included in all SDS that are copied and distributed for this material.</small>			

SECTION 4 - FIRST AID MEASURES

Inhalation:	Remove victim to fresh air. Give artificial respiration only if breathing has stopped. Give cardiopulmonary resuscitation if there is no breathing and no pulse. Get immediate medical attention.
Skin:	Immediately flush with running water for at least 20 minutes. Under running water, remove contaminated clothing and shoes. If irritation persists, repeat flushing. Get medical attention. Completely decontaminate clothing and shoes before re-use.
Eyes:	Flush immediately with water for at least 20 minutes. Forcibly hold eyelids apart to ensure complete irrigation of eye/lid tissue. Get immediate medical attention.
Ingestion:	Never give anything by mouth to an unconscious person. Give 1/2 to 1 glass of water to dilute material. DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep airway clear and give more water. Get immediate medical attention.

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SECTION 5 - FIRE FIGHTING MEASURES

<u>Extinguishing Media</u>		<u>Specific Hazards</u>	<u>Protective Equipment</u>
<u>Suitable</u>	<u>Unsuitable</u>	Not flammable but highly reactive. Capable of igniting finely divided combustible materials on contact. Hydrogen can accumulate to explosive concentrations inside confined spaces.	Self-contained breathing apparatus {(SCBA), MSHA/NIOSH}. Full protective gear.
Small Fire: Dry Chemical Carbon Dioxide	Water Organic Materials		
Large Fire: Water; expect violent reaction.			
<u>Special Firefighting Procedures</u>			
For fighting fires in close proximity to spill or vapors, use acid resistant personal protective equipment. Evacuate residents who are downwind of fire. Prevent unauthorized entry to fire area. Dike area to contain runoff and prevent contamination of water sources. Neutralize runoff with lime, soda ash or other suitable neutralizing agents. Cool containers that are exposed to flame with streams of water.			

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Allow only trained personnel wearing appropriate protective equipment to be involved in the spill response.
Protective Equipment:	None.
Emergency Procedures:	None.
Environmental Precautions:	Prevent material from entering waterway.
Methods for Cleaning-Up:	Dike area, prevent material from entering waterway. Remove all ignition sources. Ventilate area. Stop leak at source, if safe to do so. Collect into containers for reclamation or disposal. Deactivating chemicals: Lime, limestone, sodium carbonate , sodium bicarbonate, dilute sodium hydroxide, dilute aqua ammonia.
Other Precautions:	None.

SECTION 7 - HANDLING AND STORAGE

<u>Handling</u>	<u>Storage</u>
Avoid contact with skin, eyes and clothing. Wear appropriate personal protective equipment. Do not breath sprays or mists. Do not ingest. Wash thoroughly after handling. Always add acid to water - NOT water to acid.	Store packaged acid in a dry, well ventilated location away from combustibles, oxiders, bases or metallic powders. Keep ignition sources away from sulfuric acid storage, handling and transportation equipment. Store above freezing point (-21.1 °F @ 93%).

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION



<u>OSHA Exposure Limits</u>		
<u>Hazardous Components</u>	<u>ACGIH-TLV</u>	<u>OSHA-PEL</u>
SULFURIC ACID	1 mg/m3	1 mg/m3
<u>Personal Protective Equipment</u>		
Respiratory Protection:	Use NIOSH approved respirators to prevent overexposure.	
Ventilation:	Local exhaust ventilation required.	
Other Protective Equipment:	<u>Protective Gloves</u> Neoprene/PVC Gloves.	<u>Eyes and Face Protection</u> Chemical Safety Goggles
		<u>Other Protective Equipment</u> Coveralls, boots and other acid resistant protective clothing.
Other Precautions:	None.	
<u>Engineering Controls</u>		
Showers. Eyewash stations. Ventilation systems. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes and clothing. Keep away from food, drink and animal feeding stuffs. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing.		

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SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Dark brown-black	Volatile by Volume:	N/A
Odor:	Sharp penetrating odor	Vapor Pressure:	@ 102°F - 0.0016 mmHg
Odor Threshold:	N/A	Vapor Density:	3.4
pH:	<1.0	Relative Density:	N/A
Melting/Freezing Point:	N/A / -21.2 F°	Solubility:	100%
Boiling Point:	535°F	Partition Coefficient: n-octanol/water:	N/A
Boiling Range:	N/A	Auto-ignition Temperature:	N/A
Flash Point:	N/A	Specific Gravity (H2O=1):	@ 60°F - 1.84
Evaporation Rate:	N/A	Viscosity:	N/A
Flammability:	N/A	VOC:	0 g/l
Flammability Limits:	LEL: N/A ; UEL: N/A		

SECTION 10 - STABILITY AND REACTIVITY

<u>Stability</u>	<u>Hazardous Polymerization</u>	<u>Conditions To Avoid</u>
Stable <input checked="" type="checkbox"/> Unstable <input type="checkbox"/> 	May Occur <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/> 	Open flames, sparks, and ignition sources. DO NOT add water to acid.
<u>Incompatible Materials</u> Carbides, Chlorates, Fulminates, Nitrates and Picrates. (May cause fire and explosion). Contacts with metals may produce flammable hydrogen gas. DO NOT add water to acid.		<u>Hazardous Decomposition Products</u> Toxic gases and vapors (sulfur dioxide, sulfuric acid vapors and sulfur trioxide) may be released when sulfuric acid decomposes.

SECTION 11 - TOXICOLOGICAL INFORMATION

<u>Likely Routes of Exposure</u>	<u>Symptoms/Effects</u>
Inhalation <input checked="" type="checkbox"/> Skin Contact <input checked="" type="checkbox"/> Eye Contact <input checked="" type="checkbox"/> Ingestion <input checked="" type="checkbox"/>	Vapor or mist from concentrated solutions may cause irritation of the eyes, nose and respiratory tract. May cause increased pulmonary resistance, transient cough and bronchoconstriction. Severe exposure may result in lung collapse and pulmonary edema which can be fatal. Concentrated solution may cause pain and severe burns to the skin and brownish or yellow stains. Prolonged exposure and repeated exposure to the dilute solutions may cause irritation, redness, pain and drying and cracking of the skin. Immediate pain, severe burns and corneal damage which may result in blindness. Severe burning and pain in the mouth, throat and abdomen. Vomiting, diarrhea and perforation of the esophagus and stomach lining may occur.
Long-Term Effects: N/A Medical conditions aggravated by exposure: Asthma, bronchitis, emphysema and other lung diseases and chronic nose, sinus or throat condition. Severity of the burn is generally determined by the concentration of the solution and duration of exposure. Cream or ointment should not be applied before or during the washing phase of treatment.	
<u>Hazardous Components</u>	<u>Toxicity</u>
SULFURIC ACID	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> <u>LD₅₀</u> Oral: 2,140 mg/Kg (rat) </div> <div style="text-align: center;"> <u>LC₅₀</u> Inhalation: 510 mg/m3 (rat) </div> </div>

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	None.
Persistence & Degradability:	None.
Bioaccumulative Potential:	None.
Mobility in Soil:	None.
Other Adverse Effects:	Moderately toxic to aquatic organisms. 24.5 ppm/24 hr./bluegill/lethal/fresh water. 42.5 ppm/48 hr./prawn/LC50/salt water.

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SECTION 13 - DISPOSAL CONSIDERATIONS

Do not flush to surface water or sanitary sewer system. Disposal should be made in accordance with federal, state and local regulations. If approved, neutralize and transfer to waste treatment system.

SECTION 14 - TRANSPORTATION INFORMATION

Shipping Information

Shipping Name: Sulfuric Acid
Hazardous Class: 8
I.D. Number: UN1830
Packing Group: II
Label Required: Corrosive
Marine Pollutant: No

Exception: This product, when packaged and distributed in a quantity and form intended or suitable for retail sale and designed for consumption by individuals for their personal care or household use purposes, may qualify as a "Consumer Commodity". As such, it can then be exempted from certain labeling, packaging and shipping requirements.

SECTION 15 - REGULATORY INFORMATION

EPA Regulation: Listed on TSCA inventory list.

SARA TITLE III/CERCLA:

SULFURIC ACID SARA/CERCLA RQ (LB)—1000, SARA EHS TPQ (LB)—1000

SECTION 311 HAZARD CLASS: Immediate

SARA 313 Toxic Chemicals: Sulfuric Acid may be subject to reporting requirements.

CANADA: Acceptable for use under the provisions of CEPA.

Listed on CANADA DSL



WHMIS CLASSIFICATION:

Class D-1A Very Toxic Material

Class E: Corrosive

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

SECTION 16 - OTHER INFORMATION

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act and shall not be used for any other purpose. Mark's urges the customers receiving this Safety Data Sheet to study it carefully to become aware of the hazards, if any, of the product involved. In the interest of safety, you should notify your employees, agents, and contractors of the information on the sheets. The information herein has been compiled from sources believed to be reliable, up-to-date, and is accurate to the best of our knowledge. However, Mark's cannot give any guarantees regarding information from other sources, and expressly does not make warranties, nor assumes any liability for its use.