

Safety Data Sheet

Section 1 - Product and Company Identification

Product Name: SULFURIC ACID 1.265 SP. GR. Product Code: MI-1149

Milport Enterprises, Inc
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Milwaukee WI 53207
(414) 769-7350
info@milport.com

Telephone Numbers
During normal business hours call: (414) 769-7350
Transportation Emergency Call Chemtrec: (800) 424-9300

Product Use: This product is manufactured for Commercial/Industrial use.
Not recommended for: Household use.

Section 2 - Hazards Identification

GHS Ratings:

| | | |
|---------------------|--------------|---|
| Corrosive to metals | 1 | Corrosive to metals |
| Inhalation Toxicity | Acute Tox. 4 | Gases>2500+<=5000ppm, Vapors>10+<=20mg/l, Dusts&mists>1+<=5mg/l |
| Skin corrosive | 1A | Destruction of dermal tissue: Exposure < 3 min. Observation < 1 hour, visible necrosis in at least one animal |
| Eye corrosive | 1 | Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5 |
| Carcinogen | 1B | Presumed Human Carcinogen, Based on demonstrated animal carcinogenicity |

GHS Hazards

| | |
|------|---|
| H290 | May be corrosive to metals |
| H314 | Causes severe skin burns and eye damage |
| H318 | Causes serious eye damage |
| H332 | Harmful if inhaled |
| H350 | May cause cancer |

GHS Precautions

| | |
|----------------|--|
| P201 | Obtain special instructions before use |
| P202 | Do not handle until all safety precautions have been read and understood |
| P234 | Keep only in original container |
| P260 | Do not breathe dust/fume/gas/mist/vapors/spray |
| P261 | Avoid breathing dust/fume/gas/mist/vapors/spray |
| P264 | Wash hands thoroughly after handling |
| P271 | Use only outdoors or in a well-ventilated area |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection |
| P281 | Use personal protective equipment as required |
| P310 | Immediately call a POISON CENTER or doctor/physician |
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell |
| P321 | Specific treatment (see Section 4 of the SDS or the First Aid section of the label) |
| P363 | Wash contaminated clothing before reuse |
| P390 | Absorb spillage to prevent material damage. |
| P301+P330+P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting |
| P303+P361+P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower |
| P304+P340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing |

P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing
P308+P313 IF exposed or concerned: Get medical advice/attention
P405 Store locked up
P406 Store in a corrosive resistant/... container with a resistant inner liner
P501 Dispose of contents/container to appropriate waste site or reclaimer in accordance with local and national regulations

Signal Word: Danger



Section 3 - Composition

| Chemical Name | CAS number | Weight Concentration % |
|---------------|------------|------------------------|
| Sulfuric acid | 7664-93-9 | 35.00% |

Section 4 - First Aid Measures

Inhalation:

Remove from further exposure. For those providing assistance, avoid exposure to yourself. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, a trained individual should attempt to resuscitate while getting immediate medical aid.

Eye Contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes.

Skin Contact:

In case of skin contact, remove contaminated clothing. Flush the skin with large amounts of water, then wash the skin with soap and water.

Ingestion:

If conscious, give 2 to 3 glasses of water. Do not induce vomiting and seek medical attention immediately.

Notes to Physician:

No data found.

Section 5 - Fire Fighting Measures

Flash Point: N/A

LEL:

UEL:

Flammable Limits:

Flash Point: No data available.

Extinguishing Media:

Use extinguishing agent suitable for type of surrounding fire.

Unusual Fire or Explosion Hazards:

No data available.

Hazardous Combustion Products:

See Section 10 for a list of hazardous decomposition products for this mixture.

Fire Fighting:

If evacuation of personnel is necessary, evacuate to an upwind area. Decontaminate personnel and equipment with a water wash-down after fire and smoke exposure.

Fire Fighting:

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

Section 6 - Accidental Release Measures

Isolate the area and contain the spilled material. Persons not wearing the appropriate PPE should be removed from the area until the spill is cleaned up. Stop leak if you can do it without risk, stay upwind, and avoid run off to waterways and sewers.

SMALL SPILLS: Prevent entry into waterways, sewers, basements or confined areas. Use a non-combustible material like vermiculite or sand to soak up the product and place into a container for later disposal.

LARGE SPILLS: Prevent entry into waterways, sewers, basements or confined areas. Dike to collect large liquid spills, collect leaking liquid in sealable compatible containers.

ACID SPILLS: Neutralize with Soda Ash, (Sodium Carbonate) Hydrated Lime, (Calcium Hydroxide) or Baking Soda (Sodium Bicarbonate).

Cautiously neutralize remainder. Then wash away with plenty of water.

Section 7 - Handling and Storage

Handling Precautions:

Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate ventilation at all times as vapors can accumulate in confined or poorly ventilated areas. Use the product in a manner which minimizes splashes and/or the creation of dust. Keep containment closed when not in use. Do not handle or store material near heat, sparks, or open flames, or other sources of ignition.

Storage:

Prevent from freezing. Store at room temperatures, i.e., 40 to 95 F (4 to 35 C)

Regulatory Requirements:

No data found

Section 8 - Exposure Control and Personal Protection

| Chemical Name / CAS No. | OSHA Exposure Limits | ACGIH Exposure Limits | Other Exposure Limits |
|----------------------------|----------------------|-----------------------------------|-----------------------|
| Sulfuric acid 7664-93-9 | 1 mg/m3 TWA | 0.2 mg/m3 TWA (thoracic fraction) | NIOSH: 1 mg/m3 TWA |

Engineering controls:

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Ensure that eyewash stations and safety showers are close to the workstation location.

Ventilation Control:

Provide adequate ventilation to control airborne concentration below the exposure guidelines/limits.

Administrative controls:

No data found.

Personal Protection:

As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1910.132), employers must perform a hazard Assessment of all workplaces to determine the need for proper protective equipment for each employee.

Eye Protection:

Normal industrial eye protection practices should be employed.

Skin Protection:

In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

Respiratory:

If airborne concentration limits are not met, an approved respirator must be worn.

Contaminated Equipment:

Dispose of the waste in compliance with federal, state, regional, and local regulations.

Section 9 - Physical and Chemical Properties

| | |
|---|--|
| pH: Strong Acid <1 Melting point: Not Determined Solubility: Complete Flash point: 999 C, 999 F Explosive Limits: 0% Appearance Clear, Colorless | Density: 1.265 Freezing point: Not Determined Boiling range: 100°C Flammability: Not Determined Viscosity: Not Determined Odor Odorless |
|---|--|

| | |
|--|--|
| Physical State Liquid Odor threshold: Not Determined Evaporation rate: Not Determined Autoignition temperature: N/A | Vapor Pressure: Not Determined Vapor Density: Not Determined Partition coefficient (n- Not Determined octanol/water): Decomposition temperature: Not Determined |
|--|--|

Section 10 - Stability and Reactivity

Stability:

STABLE

Incompatibilities:

Avoid contact with strong bases.

Hazardous Decomposition Products:

Note: these are all possible decomposition products based on molecular structure of components.

Oxides of Sulfur
Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity

Inhalation Toxicity LC50: 1mg/L

Component Toxicity

7664-93-9 Sulfuric acid
Oral LD50: 2,140 mg/kg (Rat) Inhalation LC50: 510 mg/m3 (Rat)

Routes of entry:

No data found.

Target Organs:

Eyes Skin Respiratory System

Effects of Overexposure

Causes severe skin burns and eye damage

| <u>CAS Number</u> | <u>Description</u> | <u>% Weight</u> | <u>Carcinogen Rating</u> |
|-------------------|--------------------|-----------------|---|
| 7664-93-9 | Sulfuric acid | 35 | Sulfuric acid: IARC: Human carcinogen IARC: Human carcinogen OSHA: listed |

Section 12 - Ecological Information

Ecotoxicity:

No data available for this product.

Component Ecotoxicity

Sulfuric acid 96 Hr LC50 Brachydanio rerio: >500 mg/L [static]

Section 13 - Disposal

Disposal Instructions:

Refer to the latest federal, state, and local regulations regarding proper disposal.

Section 14 - Transportation Information

The following is for US DOT Highway transportation. Other modes/jurisdictions may have different classifications.

| | | | | |
|-------------------------|--|----------------------------|----------------------------|--------------------------|
| <u>Agency</u> US DOT | <u>Proper Shipping Name</u> Sulfuric Acid 35% | <u>UN Number</u> UN2796 | <u>Packing Group</u> II | <u>Hazard Class</u> 8 |
|-------------------------|--|----------------------------|----------------------------|--------------------------|

Section 15 - Regulatory Information

This listing is to highlight federal level regulation of the product. Individual states, and other nations may have further regulations not listed below.

US DOT List of Marine Pollutants (172.101 - Appendix B)
- None

US DOT List of Hazardous Substances and Reportable Quantities (172.101 Appendix A)
7664-93-9 Sulfuric acid 35 %

US DOT List of Severe Marine Pollutants (172.101 - Appendix B)
- None

SARA Section 302 Extremely Hazardous Substances (40 CFR 355):
7664-93-9 Sulfuric acid 35 %

Sara Section 302 Threshold Planning Quantity.
7664-93-9 Sulfuric acid 35 %

SARA Section 313, Toxic Chemicals (40 CFR 372.65):
7664-93-9 Sulfuric acid 35 %

SARA Reportable Quantity.
7664-93-9 Sulfuric acid 35 %

| | | |
|----------------|-------------------|------------------------------|
| <u>Country</u> | <u>Regulation</u> | <u>All Components Listed</u> |
|----------------|-------------------|------------------------------|

Toxic Substances Control Act (TSCA):
All components are listed or exempt from the Toxic Substances Control Act except those listed below.
- None

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1985 (SARA):
This product contains a chemical or chemicals which are subject to the reporting requirements of the Act, and Title 40 of the Code of Federal Regulations, part 372.
7664-93-9 Sulfuric acid 35.2%

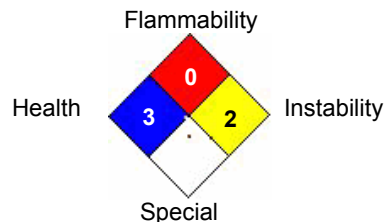
Section 16 - Other Information

Hazardous Material Information System (HMIS)

| | |
|----------------------------|----------|
| HEALTH | 3 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 2 |
| PERSONAL PROTECTION | D |

HMIS & NFPA Hazard Rating Legend
 * = Chronic Health Hazard
 0 = INSIGNIFICANT
 1 = SLIGHT
 2 = MODERATE
 3 = HIGH

National Fire Protection Association (NFPA)



The information contained herein is offered only as a guide to the handling of this specific material and has been prepared in good faith by technically knowledgeable personnel. It is not intended to be all-inclusive and the manner and conditions of use and handling may involve other and additional considerations. No warranty of any kind is given or implied and Milport Enterprises, Inc. will not be liable for any damages, losses, injuries or consequential damages which may result from the use or reliance on any information contained herein.

Written by Thomas Grego

Reviewer Revision

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