SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

Product Identifier

Product Name: Sulfuric Acid

Synonyms: Hydrogen Sulfate, Oil of Vitriol, H₂SO₄

Intended Use of the Product: Not available

Name, Address, and Telephone of the Responsible Party

Company
El Dorado Chemical Company
4500 North West Ave.
P.O. Box 231
El Dorado, AR 71731
T (870) 863-1400 - F (870) 863-1126

Emergency Telephone Number

Emergency number: (870) 863-1400, (800) 424-9300 (CHEMTREC, 24 hours)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)

Met. Corr. 1  H290
Skin Corr. 1A H314
Eye Dam. 1  H318
Carc. 1A  H350

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US): ♂ ♂

Signal Word (GHS-US): Danger

Hazard Statements (GHS-US): H290 - May be corrosive to metals
H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage
H350 - May cause cancer

Precautionary Statements (GHS-US): 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 vapors, mist, spray.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P280 - Wear protective gloves, protective clothing, eye protection, face protection, respiratory protection.
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 cautiously 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
P310 - Immediately call a POISON CENTER or doctor/physician
P321 - Specific treatment (see section 4).
P363 - Wash contaminated clothing before reuse.
**Sulfuric Acid**

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

- P390 - Absorb spillage to prevent material damage.
- P405 - Store locked up
- P406 - Store in corrosive resistant container with a resistant inner liner.
- P501 - Dispose of contents/container to local, regional, national, territorial, provincial, and international regulations.

**Other Hazards**

**Other Hazards Not Contributing to the Classification:** Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. When heated to decomposition, emits toxic fumes, corrosive vapors. Contact with metals may evolve flammable hydrogen gas.

**Unknown Acute Toxicity (GHS-US)** Not available

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Substances**

**Mixture**

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>% (w/w)</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric acid</td>
<td>(CAS No) 7664-93-9</td>
<td>93 - 100</td>
<td>Met. Corr. 1, H290</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Corr. 1A, H314</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Dam. 1, H318</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Carc. 1A, H350</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16

### SECTION 4: FIRST AID MEASURES

**Description of First Aid Measures**

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call for medical assistance.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Immediately call for medical assistance. Wash contaminated clothing before reuse.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call for medical assistance.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Immediately call for medical assistance.

**Most Important Symptoms and Effects Both Acute and Delayed**

**General:** Causes severe skin burns and eye damage. Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed. May cause cancer.

**Inhalation:** Inhalation may cause immediate severe irritation progressing quickly to chemical burns. May cause cancer by inhalation of mists.

**Skin Contact:** Causes severe irritation which will progress to chemical burns.

**Eye Contact:** Causes serious eye damage.

**Ingestion:** Contact may cause immediate severe irritation progressing quickly to chemical burns. Ingestion is likely to be harmful or have adverse effects.

**Chronic Symptoms:** May cause erosion of the teeth, or chronic bronchitis.

**Indication of Any Immediate Medical Attention and Special Treatment Needed**

If exposed or concerned, get medical advice and attention.
Sulfuric Acid

SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media
Suitable Extinguishing Media: Carbon dioxide, dry chemical.
Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire. Evolution of heat and spattering will result.

Special Hazards Arising From the Substance or Mixture
Fire Hazard: Not considered flammable but may burn at high temperatures. May cause ignition by contact with combustible materials.
Explosion Hazard: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. In contact with metals, emits flammable/explosive gas.

Advice for Firefighters
Precautionary Measures Fire: Exercise caution when fighting any chemical fire.
Firefighting Instructions: Fight fire remotely due to the risk of explosion. Use water spray or fog for cooling exposed containers.
Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information: Do not allow run-off from fire fighting to enter drains or water courses. Contact with metals may evolve flammable hydrogen gas. Use water spray to disperse vapors.

Reference to Other Sections
Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures
General Measures: Do NOT breathe (vapors, mist, spray). Avoid all contact with skin, eyes, or clothing. Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
For Non-Emergency Personnel
Protective Equipment: Use appropriate personal protection equipment (PPE).
For Emergency Personnel
Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Ventilate area.

Environmental Precautions
Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up
For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Cautiously neutralize spilled liquid. As an immediate precautionary measure, isolate spill or leak area in all directions.
Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Absorb spillage to prevent material damage. Cautiously neutralize spilled liquid. Contact competent authorities after a spill.

Reference to Other Sections
See section 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling
Additional Hazards When Processed: May be corrosive to metals. When heated to decomposition, emits toxic fumes. Corrosive vapors are released. Contact with metals may evolve flammable hydrogen gas.
Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do no eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling.

Conditions for Safe Storage, Including Any Incompatibilities
Technical Measures: Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof electrical, ventilating, and lighting equipment.
Sulfuric Acid
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**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep in fireproof place. Keep/Store away from extremely high or low temperatures, direct sunlight, heat, ignition sources, combustible materials, incompatible materials.


**Specific End Use(s)** Not available

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### Control Parameters

<table>
<thead>
<tr>
<th>Sulfuric acid (7664-93-9)</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mexico</td>
<td>OEL TWA (mg/m³)</td>
<td>1 mg/m³</td>
</tr>
<tr>
<td>USA ACGIH</td>
<td>ACGIH TWA (mg/m³)</td>
<td>0.2 mg/m³</td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>1 mg/m³</td>
</tr>
<tr>
<td>USA NIOSH</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>1 mg/m³</td>
</tr>
<tr>
<td>USA IDLH</td>
<td>US IDLH (mg/m³)</td>
<td>15 mg/m³</td>
</tr>
<tr>
<td>Alberta</td>
<td>OEL STEL (mg/m³)</td>
<td>3 mg/m³</td>
</tr>
<tr>
<td>Alberta</td>
<td>OEL TWA (mg/m³)</td>
<td>1 mg/m³</td>
</tr>
<tr>
<td>British Columbia</td>
<td>OEL TWA (mg/m³)</td>
<td>0.2 mg/m³ (Thoracic, contained in strong inorganic acid mists)</td>
</tr>
<tr>
<td>Manitoba</td>
<td>OEL TWA (mg/m³)</td>
<td>0.2 mg/m³</td>
</tr>
<tr>
<td>New Brunswick</td>
<td>OEL STEL (mg/m³)</td>
<td>3 mg/m³</td>
</tr>
<tr>
<td>New Brunswick</td>
<td>OEL TWA (mg/m³)</td>
<td>1 mg/m³</td>
</tr>
<tr>
<td>Newfoundland &amp; Labrador</td>
<td>OEL TWA (mg/m³)</td>
<td>0.2 mg/m³</td>
</tr>
<tr>
<td>Nova Scotia</td>
<td>OEL TWA (mg/m³)</td>
<td>0.2 mg/m³</td>
</tr>
<tr>
<td>Nunavut</td>
<td>OEL STEL (mg/m³)</td>
<td>0.6 mg/m³</td>
</tr>
<tr>
<td>Nunavut</td>
<td>OEL TWA (mg/m³)</td>
<td>0.3 mg/m³</td>
</tr>
<tr>
<td>Northwest Territories</td>
<td>OEL STEL (mg/m³)</td>
<td>3 mg/m³</td>
</tr>
<tr>
<td>Northwest Territories</td>
<td>OEL TWA (mg/m³)</td>
<td>1 mg/m³</td>
</tr>
<tr>
<td>Ontario</td>
<td>OEL TWA (mg/m³)</td>
<td>0.2 mg/m³</td>
</tr>
<tr>
<td>Prince Edward Island</td>
<td>OEL TWA (mg/m³)</td>
<td>0.2 mg/m³</td>
</tr>
<tr>
<td>Québec</td>
<td>VECD (mg/m³)</td>
<td>3 mg/m³</td>
</tr>
<tr>
<td>Québec</td>
<td>VEMP (mg/m³)</td>
<td>1 mg/m³</td>
</tr>
<tr>
<td>Saskatchewan</td>
<td>OEL STEL (mg/m³)</td>
<td>0.6 mg/m³</td>
</tr>
<tr>
<td>Saskatchewan</td>
<td>OEL TWA (mg/m³)</td>
<td>0.2 mg/m³</td>
</tr>
<tr>
<td>Yukon</td>
<td>OEL STEL (mg/m³)</td>
<td>1 mg/m³</td>
</tr>
<tr>
<td>Yukon</td>
<td>OEL TWA (mg/m³)</td>
<td>1 mg/m³</td>
</tr>
</tbody>
</table>

**Exposure Controls**

**Appropriate Engineering Controls:** Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use explosion-proof equipment. Ensure all national/local regulations are observed. Alarm detectors should be used when toxic gases may be released. Gas detectors should be used when flammable gases/vapors may be released.

**Personal Protective Equipment:** Gloves. Respiratory protection of the dependent type. Protective goggles. Protective clothing.

**Materials for Protective Clothing:** Chemically resistant materials and fabrics. Corrosion-proof clothing. Wear fire/flame resistant/retardant clothing.

**Hand Protection:** Wear chemically resistant protective gloves. Acid-resistant protective gloves.

**Eye Protection:** Chemical goggles or face shield.

**Skin and Body Protection:** Wear suitable protective clothing.
Respiratory Protection: Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of vapor or mist are expected to exceed exposure limits.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Colorless to tan oily liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Relative Evaporation Rate (butylacetate=1)</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>-35.6°C (-32°F) (Sulfuric acid 93.2%), -1.11°C (30°F) (Sulfuric acid 98%)</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>217.8°C (424°F) (Sulfuric acid 93.2%), 327.8°C (622°F) (Sulfuric acid 98%)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
</tr>
<tr>
<td>Lower Flammable Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Upper Flammable Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>&lt; 0.3 mm Hg @25°C (77°F)</td>
</tr>
<tr>
<td>Relative Vapor Density at 20 °C</td>
<td>3.4</td>
</tr>
<tr>
<td>Relative Density</td>
<td>Not available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.83 (Sulfuric acid 93.2%), 1.84 (Sulfuric acid 98%)</td>
</tr>
<tr>
<td>Solubility</td>
<td>Miscible.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Volatility</td>
<td>100%</td>
</tr>
<tr>
<td>Explosion Data – Sensitivity to Mechanical Impact</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosion Data – Sensitivity to Static Discharge</td>
<td>Not available</td>
</tr>
</tbody>
</table>

SECTION 10: STABILITY AND REACTIVITY


Chemical Stability: The product is stable at normal handling and storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.


SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity: Not classified.
LD50 and LC50 Data: Not available

Skin Corrosion/Irritation: Causes severe skin burns and eye damage. pH: < 1

Serious Eye Damage/Irritation: Causes serious eye damage. pH: < 1

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified
Sulfuric Acid

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**Teratogenicity:** Not available

**Carcinogenicity:** Inhalation of inorganic mists containing sulphuric acid may cause cancer.

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Inhalation may cause immediate severe irritation progressing quickly to chemical burns. May cause cancer by inhalation of mists.

**Symptoms/Injuries After Skin Contact:** Causes severe irritation which will progress to chemical burns.

**Symptoms/Injuries After Eye Contact:** Causes serious eye damage.

**Symptoms/Injuries After Ingestion:** Contact may cause immediate severe irritation progressing quickly to chemical burns. Ingestion is likely to be harmful or have adverse effects.

**Chronic Symptoms:** May cause erosion of the teeth, or chronic bronchitis.

**Information on Toxicological Effects - Ingredient(s)**

### LD50 and LC50 Data:

<table>
<thead>
<tr>
<th>Ingredient (CAS Number)</th>
<th>LD50 Oral Rat</th>
<th>LC50 Inhalation Rat (mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric acid (7664-93-9)</td>
<td>2140 mg/kg</td>
<td>510 mg/m³ (Exposure time: 2 h)</td>
</tr>
</tbody>
</table>

### IARC Group:

| Sulfuric acid (7664-93-9) | 1 |

**SECTION 12: ECOLOGICAL INFORMATION**

**Toxicity** Not classified

<table>
<thead>
<tr>
<th>Sulfuric acid (7664-93-9)</th>
<th>LC50 Fish 1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>500 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])</td>
</tr>
</tbody>
</table>

**Persistence and Degradability**

<table>
<thead>
<tr>
<th>Sulfuric Acid</th>
<th>Persistence and Degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not established.</td>
</tr>
</tbody>
</table>

**Bioaccumulative Potential**

<table>
<thead>
<tr>
<th>Sulfuric Acid</th>
<th>Bioaccumulative Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not established.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sulfuric acid (7664-93-9)</th>
<th>BCF fish 1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(no bioaccumulation)</td>
</tr>
</tbody>
</table>

**Mobility in Soil** Not available

**Other Adverse Effects**

**Other Information:** Avoid release to the environment.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.
SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT

Proper Shipping Name: SULFURIC ACID with more than 51 percent acid
Hazard Class: 8
Identification Number: UN1830
Label Codes: 8
Packing Group: II
ERG Number: 137

14.2 In Accordance with IMDG

Proper Shipping Name: SULPHURIC ACID
Hazard Class: 8
Identification Number: UN1830
Packing Group: II
Label Codes: 8
EmS-No. (Fire): F-A
EmS-No. (Spillage): S-B

14.3 In Accordance with IATA

Proper Shipping Name: SULPHURIC ACID
Packing Group: II
Identification Number: UN1830
Hazard Class: 8
Label Codes: 8
ERG Code (IATA): 8L

14.4 In Accordance with TDG

Proper Shipping Name: SULPHURIC ACID with more than 51 per cent acid
Packing Group: II
Hazard Class: 8
Identification Number: UN1830
Label Codes: 8

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

Sulfuric Acid
SARA Section 311/312 Hazard Classes
Immediate (acute) health hazard
Reactive hazard
Fire hazard

Sulfuric acid (7664-93-9)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on SARA Section 302 (Specific toxic chemical listings)
Listed on SARA Section 313 (Specific toxic chemical listings)
SARA Section 302 Threshold Planning Quantity (TPQ): 1000
SARA Section 313 - Emission Reporting: 1.0 % (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)

US State Regulations

Sulfuric acid (7664-93-9)
U.S. - California - Proposition 65 - Carcinogens List
WARNING: This product contains chemicals known to the State of California to cause cancer.
## Sulfuric Acid (7664-93-9)

Strong inorganic acid mists containing sulfuric acid are present on the State of California list of Chemicals Known to the State to Cause Cancer or Reproductive Toxicity (Cal Prop 65).

### U.S.
- **California** - SCAQMD - Toxic Air Contaminants - Non-Cancer Acute
- **California** - SCAQMD - Toxic Air Contaminants - Non-Cancer Chronic
- **California** - Toxic Air Contaminant List (AB 1807, AB 2728)
- **Connecticut** - Hazardous Air Pollutants - HLVs (30 min)
- **Connecticut** - Hazardous Air Pollutants - HLVs (8 hr)
- **Delaware** - Pollutant Discharge Requirements - Reportable Quantities
- **Idaho** - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations
- **Idaho** - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)
- **Idaho** - Occupational Exposure Limits - TWAs
- **Illinois** - Toxic Air Contaminant Carcinogens
- **Illinois** - Toxic Air Contaminants
- **Louisiana** - Reportable Quantity List for Pollutants
- **Maine** - Air Pollutants - Hazardous Air Pollutants
- **Massachusetts** - Allowable Ambient Limits (AALs)
- **Massachusetts** - Allowable Threshold Concentrations (ATCs)
- **Massachusetts** - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 1
- **Massachusetts** - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 2
- **Massachusetts** - Oil & Hazardous Material List - Reportable Quantity
- **Massachusetts** - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 1
- **Massachusetts** - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 2
- **Massachusetts** - Right To Know List
- **Massachusetts** - Threshold Effects Exposure Limits (TELs)
- **Massachusetts** - Toxics Use Reduction Act
- **Michigan** - Occupational Exposure Limits - TWAs
- **Michigan** - Polluting Materials List
- **Minnesota** - Chemicals of High Concern
- **Minnesota** - Hazardous Substance List
- **Minnesota** - Permissible Exposure Limits - TWAs
- **New Hampshire** - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour
- **New Hampshire** - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual
- **New Jersey** - Discharge Prevention - List of Hazardous Substances
- **New Jersey** - Environmental Hazardous Substances List
- **New Jersey** - Right to Know Hazardous Substance List
- **New Jersey** - Special Health Hazards Substances List
- **New York** - Occupational Exposure Limits - TWAs
- **New York** - Reporting of Releases Part 597 - List of Hazardous Substances
- **North Carolina** - Control of Toxic Air Pollutants
- **North Dakota** - Air Pollutants - Guideline Concentrations - 8-Hour
- **Ohio** - Extremely Hazardous Substances - Threshold Quantities
- **Oregon** - Permissible Exposure Limits - TWAs
- **Pennsylvania** - RTK (Right to Know) - Environmental Hazard List
- **Pennsylvania** - RTK (Right to Know) List
- **Rhode Island** - Air Toxics - Acceptable Ambient Levels - 1-Hour
- **Rhode Island** - Air Toxics - Acceptable Ambient Levels - Annual
- **South Carolina** - Toxic Air Pollutants - Maximum Allowable Concentrations
- **South Carolina** - Toxic Air Pollutants - Pollutant Categories
- **Tennessee** - Occupational Exposure Limits - TWAs
- **Texas** - Effects Screening Levels - Long Term
- **Texas** - Effects Screening Levels - Short Term

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November 2017  
EN (English US)  
8/10
Sulfuric Acid
Safety Data Sheet
According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| U.S. - Vermont - Permissible Exposure Limits - TWAs |
| U.S. - Washington - Permissible Exposure Limits - STELs |
| U.S. - Washington - Permissible Exposure Limits - TWAs |
| U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 25 Feet to Less Than 40 Feet |
| U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 40 Feet to Less Than 75 Feet |
| U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 75 Feet or Greater |

Canadian Regulations

| Sulfuric Acid

| WHMIS Classification | Class D Division 2 Subdivision A - Very toxic material causing other toxic effects |
| Class E - Corrosive Material |

| Sulfuric acid (7664-93-9)

| WHMIS Classification | Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects |
| Class D Division 2 Subdivision A - Very toxic material causing other toxic effects |
| Class E - Corrosive Material |

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

SECTION 16: OTHER INFORMATION

Revision date : November 2017

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

| Carc. 1A | Carcinogenicity Category 1A |
| Eye Dam. 1 | Serious eye damage/eye irritation Category 1 |
| Met. Corr. 1 | Corrosive to metals Category 1 |
| Skin Corr. 1A | Skin corrosion/irritation Category 1A |
| H290 | May be corrosive to metals |
| H314 | Causes severe skin burns and eye damage |
| H318 | Causes serious eye damage |
| H350 | May cause cancer |

NFPA Health Hazard : 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.

NFPA Fire Hazard : 0 - Materials that will not burn.

NFPA Reactivity : 2 - Normally unstable and readily undergo violent decomposition but do not detonate. Also: may react violently with water or may form potentially explosive mixtures with water.

NFPA Specific Hazard : W - Unusual reactivity with water. This indicates a potential hazard using water to fight a fire involving this material. When a compound is both water-reactive and an oxidizer, the W/bar symbol should go in this quadrant and the OX warning is placed immediately below the NFPA diamond.
Sulfuric Acid
Safety Data Sheet
According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should therefore be construed as guaranteeing any specific property of the product.

North America GHS US 2012 & WHMIS