

5-Sulfosalicylic Acid

Material Safety Data Sheet

Section 1. Product and Company Identification

Product Name 5-Sulfosalicylic Acid

Product Code 29695

Manufacturer EMD Chemicals Inc.

P.O. Box 70

480 Democrat Road

Gibbstown, NJ 08027

Prior to January 1, 2003 EMD Chemicals Inc. was

EM Industries, Inc. or EM Science, Division of

EM Industries, Inc.

Effective Date 3/3/2003

For More Information Call

856-423-6300 Technical Service

Monday-Friday: 8:00 AM - 5:00 PM

In Case of Emergency Call

800-424-9300 CHEMTREC
(USA)

613-996-6666 CANUTEC
(Canada)

24 Hours/Day: 7 Days/Week

Synonym SALICYLSULFONIC ACID

Material Uses Analytical reagent.

Chemical Family Organic

Section 2. Composition and Information on Ingredients

Component

CAS #

% by Weight

5-Sulfosalicylic Acid

97-05-2

100

Section 3. Hazards Identification

Physical State and Appearance Solid. (Crystals or powder)

Emergency Overview WARNING!

HARMFUL IF SWALLOWED.

CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION.

Routes of Entry Absorbed through skin. Eye contact. Inhalation. Ingestion.

Potential Acute Health Effects

Eyes Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.

Skin Hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Inhalation Hazardous in case of inhalation (lung irritant).

Ingestion Hazardous in case of ingestion.

Potential Chronic Health Effects

Carcinogenic Effects This material is not known to cause cancer in animals or humans.

Additional information See Toxicological Information (section 11)

Medical Conditions Aggravated by Overexposure: Repeated exposure to a highly toxic material may produce general

deterioration of health by an accumulation in one or many human organs.

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Section 4. First Aid Measures

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| Eye Contact | Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately. |
| Skin Contact | In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately. |
| Inhalation | If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately. |
| Ingestion | If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately. |

Section 5. Fire Fighting Measures

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| Flammability of the Product | Non-flammable. |
| Auto-ignition Temperature | Not applicable. |
| Flash Points | Not applicable. |
| Flammable Limits | Not applicable. |
| Products of Combustion | Not available. |
| Fire Hazards in Presence of Various Substances | Not applicable. |
| Explosion Hazards in Presence of Various Substances | Risks of explosion of the product in presence of static discharge: No. Risks of explosion of the product in presence of mechanical impact: No. |
| Fire Fighting Media and Instructions | Not applicable. |
| Protective Clothing (Fire) | Not applicable. |
| Special Remarks on Fire Hazards | Not available. |
| Special Remarks on Explosion Hazards | Not available. |

Section 6. Accidental Release Measures

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| Small Spill and Leak | Use appropriate tools to put the spilled solid in a convenient waste disposal container. |
| Large Spill and Leak | Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. |
| Spill Kit | No specific spill kit required for this product. |

Information**Section 7. Handling and Storage**

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| Handling | Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing dust. Keep container closed. |
| Storage | Keep container in a cool, well-ventilated area. |

Section 8. Exposure Controls/Personal Protection

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| Engineering Controls | Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. |
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Personal Protection

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| Eyes | Splash goggles. |
| Body | Lab coat. |
| Respiratory | Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. |
| Hands | Gloves. |
| Feet | Not applicable. |

Protective Clothing**(Pictograms)**

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| Personal Protection in Case of a Large Spill | Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product. |
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| | |
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| Product Name | Exposure Limits |
| 5-Sulfosalicylic Acid | Not available. |

Section 9. Physical and Chemical Properties

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|--------------------------------------|-----------------------------|
| Odor | Not available. |
| Color | White. |
| Physical State and Appearance | Solid. (Crystals or powder) |
| Molecular Weight | 218.19 g/mole |
| Molecular Formula | C7H6O6S |
| pH | Not available. |
| Boiling/Condensation Point | Not available. |
| Melting/Freezing Point | Not available. |
| Specific Gravity | Not available. |
| Vapor Pressure | Not available. |
| Vapor Density | Not available. |
| Odor Threshold | Not available. |
| Evaporation Rate | Not available. |
| LogKow | Not available. |
| Solubility | Soluble in water. |

Section 10. Stability and Reactivity

The product is stable.

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| Stability and Reactivity | |
| Conditions of Instability | Not available. |
| Incompatibility with Various Substances | Not available. |
| Rem/Incompatibility | Not available. |
| Hazardous Decomposition Products | sulfur oxides (SO ₂ , SO ₃ ...) |
| Hazardous Polymerization | Will not occur. |

Section 11. Toxicological Information

RTECS Number:

Sulfosalicylic Acid, SDP, VO6500000
HARLECO ® , For General
Laboratory Use

Toxicity Acute oral toxicity (LD₅₀): 1850 mg/kg [Rat].

Chronic Effects on Humans Not available.

Acute Effects on Humans Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching. Hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Hazardous in case of inhalation (lung irritant). Hazardous in case of ingestion.

Synergetic Products (Toxicologically) Not available.

Irritancy Draize Test: Not available.

Sensitization Not available.

Carcinogenic Effects This material is not known to cause cancer in animals or humans.

Toxicity to Reproductive System Not available.

Teratogenic Effects Not available.

Mutagenic Effects Not available.

Section 12. Ecological Information

Ecotoxicity Not available.

BOD₅ and COD Not available.

Toxicity of the Products of Biodegradation The products of degradation are less toxic than the product itself.

Section 13. Disposal Considerations

EPA Waste Number Not available.

Treatment Material does not have an EPA Waste Number and is not a listed waste, however consultation with a permitted waste disposal site (TSD) should

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be accomplished.

Section 14. Transport Information

DOT Classification Not available.
TDG Classification Not available.
IMO/IMDG Classification Not available.
ICAO/IATA Classification Not available.

Section 15. Regulatory Information

U.S. Federal Regulations TSCA 8(b) inventory: 5-Sulfosalicylic Acid

SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: No products were found.
SARA 311/312 MSDS distribution – chemical inventory – hazard identification: No products were found.
SARA 313 toxic chemical notification and release reporting: No products were found.
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: No products were found.
Clean air act (CAA) 112 accidental release prevention: No products were found.
Clean air act (CAA) 112 regulated flammable substances: No products were found.
Clean air act (CAA) 112 regulated toxic substances: No products were found.

WHMIS (Canada) Class D-2B: Material causing other toxic effects (TOXIC).
CEPA DSL: 5-Sulfosalicylic Acid
This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all required information.

International Regulations

EINECS 5-Sulfosalicylic Acid 202-555-6
DSCL (EEC) R22- Harmful if swallowed.
R37/38- Irritating to respiratory system and skin.
R41- Risk of serious damage to eyes.

International Lists Australia (NICNAS): 5-Sulfosalicylic Acid

Japan (MITI): 5-Sulfosalicylic Acid

Korea (TCCL): 5-Sulfosalicylic Acid

Philippines (RA6969): 5-Sulfosalicylic Acid

China: No products were found.

State Regulations No products were found.

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California prop. 65: No products were found.

Section 16. Other Information

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| National Fire Protection Association (U.S.A.) | 0 | Fire |
| | 10 | Hazard |
| | Health | Reactivity |
| | | Specific Hazard |

**Changed Since Last
Revision** +

Notice to Reader

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