

MATERIAL SAFETY DATA SHEET

Product Name: Salicylic acid

CAS No.: 69-72-7

Version: 0

1. Identification

Product Code : 90230, 90526
Company Name : Advent Chembio Private Limited
Address : W-288, MIDC, TTC INDUSTRIAL AREA, THANE-BELAPUR ROAD, RABALE, NAVI MUMBAI - 400 701.
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2. Composition/Information on Ingredients

Ingredient	CAS No	Percent
SYLICYLIC ACID	69-72-7	90-100%

3. Hazards Identification

Hazard classification

Health hazards

Acute toxicity (Oral) : Category 4
 Serious eye damage/eye irritation : Category 1

Labels elements

Hazard symbol



Signal word : Danger
Hazard statement : Harmful if swallowed.
 Causes serious eye damage

Precautionary statement

Prevention

: Do not eat, drink or smoke when using this product. Wear eye protection/face protection. Wash hands thoroughly after handling.

Response

: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

Storage

: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal

: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

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Other hazards which do not result in GHS classification : None.

4. First Aid Measures

- General information** : Get medical advice/attention if you feel unwell. If medical advice is needed, have product container or label at hand. Show this safety data sheet to the doctor in attendance.
- Ingestion** : Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
- Inhalation** : Move to fresh air. Get medical attention if symptoms persist.
- Skin contact** : Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
- Eye contact** : Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if symptoms persist.
- Most important symptoms/effects, acute and delayed** : Harmful if swallowed. May cause skin and eye irritation.
- Indication of immediate medical attention and special treatment needed** : Treat symptomatically. Symptoms may be delayed.

5. Fire fighting measures

- General fire hazards** : Powdered material may form explosive dust-air mixtures.
- Suitable (and unsuitable) extinguishing media**
- Suitable extinguishing media** : Water spray, fog, CO₂, dry chemical or alcohol resistant foam.
- Unsuitable extinguishing media** : None known.
- Specific hazards arising from the chemical** : Dust may form explosive mixture with air. During fire, gases hazardous to health may be formed.
- Special protective equipment and precautions for firefighters**
- Special fire fighting procedures** : Move containers from fire area if you can do so without risk. Use water spray to keep fire-exposed containers cool. Cool containers exposed to flames with water until well after the fire is out.
- Special protective equipment for fire-fighters** : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

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- Personal precautions, protective equipment and emergency procedures** : Keep unauthorized personnel away. Use personal protective equipment. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
- Methods and material for containment and cleaning up** : Sweep up and place in a clearly labeled container for chemical waste. Clean surface thoroughly to remove residual contamination. Sweep up and place in a clearly labeled container for chemical waste. Clean surface thoroughly to remove residual contamination.
- Notification Procedures** : Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved. Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved.
- Environmental precautions** : Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. Handling and Storage

- Precautions for safe handling** : Use personal protective equipment as required. Avoid contact with eyes, skin, and clothing. Avoid inhalation of dust. Wash thoroughly after handling.
- Conditions for safe storage, including any incompatibilities** : Keep containers tightly closed. Store in cool, dry place. Store in a well-ventilated place.

8. Exposure Controls Personal Protection

- Control parameters**
- Occupational exposure limits** : None of the components have assigned exposure limits.
- Appropriate engineering controls** : No data available.
- Individual protection measures, such as personal protective equipment**
- General information** : Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. An eye wash and safety shower must be

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	available in the immediate work area. Use explosion-proof ventilation equipment.
Eye/face protection	: Wear safety glasses with side shields (or goggles) and a face shield.
Hand protection	: Chemical resistant gloves.
Other	: Wear suitable protective clothing .
Respiratory protection	: In case of inadequate ventilation use suitable respirator.
Hygiene measures	: Provide eyewash station and safety shower. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and Chemical Properties

Appearance	: White Fine crystals Solid .
Odor	: Odorless or has only slightly phenolic odor
pH	: 2.4 Saturated solution in water
Melting point/freezing point	: 159 °C
Initial boiling point and boiling range	: 211 °C (2.666447 kPa)
Flash Point	: 315 °F
Vapor pressure	: 0.000011 kPa (25 °C)
Vapor density	: 4.8 AIR=1
Relative density	: 1.443 (20 °C)
Solubility in water	: 2.17 g/l
	: acetone: 0.33 g/ml
	: benzene: 0.0007 g/ml
	: chloroform: 0.024 g/ml
	: ether: 0.33 g/ml
	: glycerol: Approximate 0.017 g/ml
	: oil turpentine: 0.19 g/ml
Solubility (other)	: alcohol: 0.37 g/ml
Formula	: C7H6O3
Molecular Weight	: 138.12 g/mol

10. Stability and Reactivity

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Material is stable under normal conditions.
Possibility of hazardous reactions	: Hazardous polymerization does not occur.
Conditions to avoid	: Contact with incompatible materials. Excessive heat. Moisture. Light.
Incompatible materials	: Strong oxidizing agents.
Hazardous decomposition products	: By heating and fire, toxic vapors/gases may be formed. Oxides of Carbon.

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11. Toxicological Information
Information on likely routes of exposure

- Ingestion** : Harmful if swallowed.
- Inhalation** : Dust may irritate throat and respiratory system and cause coughing.
- Skin contact** : May be harmful in contact with skin.
- Eye contact** : Causes serious eye irritation.

Information on toxicological effects
Acute toxicity (list all possible routes of exposure)

- Oral Product** : LD 50 (Rat): 891 mg/kg
LD 50 (Mouse): 480 mg/kg
- Dermal Product** : LD 50 (Rat): > 2 g/kg
- Inhalation Product** : No data available.
- Repeated dose toxicity Product** : No data available.
- Skin corrosion/irritation Product** : Powder may irritate skin.
- Serious eye damage/eye irritation Product** : Causes serious eye damage.
- Respiratory or skin sensitization Product** : Prolonged or repeated contact may cause skin sensitization in susceptible individuals
- Carcinogenicity Product** : This substance has no evidence of carcinogenic properties.
- IARC Monographs on the Evaluation of Carcinogenic Risks to Humans DIOXANE** : No carcinogenic components identified
- US. National Toxicology Program (NTP) Report on Carcinogens DIOXANE** : No carcinogenic components identified
- US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050** : No carcinogenic components identified
- Germ cell mutagenicity**
- In vitro Product** : No mutagenic components identified
- In vivo Product** : No mutagenic components identified
- Reproductive toxicity Product** : No components toxic to reproduction
- Specific target organ toxicity - single exposure Product** : None known.
- Specific target organ toxicity - repeated exposure Product** : None known.

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Aspiration hazard Product : Not classified.
Other effects : None known.

12. Ecological Information**Ecotoxicity****Acute hazards to the aquatic environment :**

Fish Product : No data available.
Specified substance(s): SYLICYLIC ACID : LC 50 (Ide, silver or golden orfe (*Leuciscus idus*)): 90 mg/l Mortality

Aquatic invertebrates Product : No data available.

Chronic hazards to the aquatic environment :

Fish Product : No data available.

Aquatic invertebrates Product : No data available.

Toxicity to Aquatic Plants Product: : No data available.

Persistence and degradability

Biodegradation Product : There are no data on the degradability of this product.

BOD/COD ratio Product : No data available.

Bioaccumulative potential

Bioconcentration factor (BCF) Product : No data available on bioaccumulation.

Partition coefficient n-octanol / water (log Kow) Product : Log Kow: 2.26

Mobility in soil : No data available

Other adverse effects : The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

13. Disposal consideration

Disposal instructions : Discharge, treatment, or disposal may be subject to national, state, or local laws. Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Contaminated packaging : Since emptied containers retain product residue, follow label warnings even after container is emptied.

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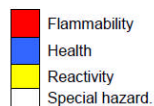
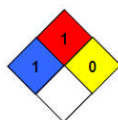
14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT			Not regulated.		
IMDG			Not regulated.		
IATA			Not regulated.		

15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture
 No Data Available.

16. Other Information
NFPA Hazard ID


Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

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