

1 - Identification

Product Name	Salicylic Acid
Product Number	
Index No.	607-732-00-5
CAS-No.	69-72-7
Identified Uses	Laboratory chemicals, Synthesis of substances
Address	Ingredients To Die For, 11110 Metric Blvd, Ste D, Austin, TX 78758
Phone	512-535-2711
Emergency Phone	Chemtrec Emergency Hotline: 800-424-9300 (US and Canada)

2 - Hazard(s) Identification

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, Oral (Category 4), H302

Serious eye damage (Category 1), H318

Reproductive toxicity (Category 2), H361

For the full text of the H-Statements mentioned in this Section, see Section 16.

GHS Label elements, including precautionary statements

Pictogram

Signal Word Danger

Hazard statement(s)

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H361 Suspected of damaging fertility or the unborn child.

Precautionary statement(s)

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediately call a POISON CENTER/doctor.

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P308 + P313 IF exposed or concerned: Get medical advice/attention.
P405 Store locked up.
P501 Dispose of contents/container to an approved waste disposal plant.

**Hazards not otherwise classified (HNOC)
or not covered by GHS** None

3 - Composition/Information on Ingredients

Substances

Synonyms	2-Hydroxybenzoic acid	
Formula	C7H6O3	
Molecular weight	138.12 g/mol	
CAS-No.	69-72-7	
EC-No.	200-712-3	
Index-No.	607-732-00-5	
Component	Classification	Concentration
Salicylic Acid	Acute Tox. 4; Eye Dam. 1; Repr. 2; H302, H318, H361	<= 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

4 - First-Aid Measures

Description of first-aid measures

General advice Show this material safety data sheet to the doctor in attendance.

If inhaled After inhalation: fresh air. Call in physician.

In case of skin contact Take off immediately all contaminated clothing. Rinse skin with water/shower. Consult a physician.

In case of eye contact After eye contact: rinse out with plenty of water. Immediately call in ophthalmologist. Remove contact lenses.

If swallowed After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

Indication of any immediate medical attention and special treatment needed

No data available

5 - Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Carbon oxides.

Combustible.

Vapors are heavier than air and may spread along floors.

Forms explosive mixtures with air on intense heating.

Development of hazardous combustion gases or vapors possible in the event of fire.

Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective

Further information

Prevent fire extinguishing water from contaminating surface water or the ground water system.

6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area,

Environmental precautions Do not let product enter drains.

Methods and materials for containment and cleaning up Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

Reference to other sections For disposal see section 13.

7 - Handling and Storage

Precautions for safe handling For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities

Storage conditions Tightly closed. Dry. Light sensitive.

Storage class Storage class (TRGS 510): 11: Combustible Solids

Specific end use(s) Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8 - Exposure Controls/Personal Protection

Control parameters

Ingredients with workplace control param: Contains no substances with occupational exposure limit values.

Exposure controls

Appropriate engineering controls

Change contaminated clothing. Preventative skin protection recommended. Wash hands after working with substance.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Tightly fitting safety goggles.

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin

Body protection

Protective clothing

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use for a full-face particle respirator type N100 (US) or type P3 (EN 143)

Control of environmental exposure

Do not let product enter drains.

9 - Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Form: powder, crystalline; Color: white
Odor	odorless
Odor threshold	Not applicable
mp	2.4 at 20 C (68 F)
Melting point/freezing point	Melting point/range: 158 – 161 C (316 – 322 F) – lit.
Initial boiling point and boiling range	211 C (412 F) at 27 hPa 211 C (412 F) – lit.
Flash point	157 C (315 F) – closed cup
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limit	Lower explosion limit: 1.1 % (V)
Vapor pressure	1 hPa at 114 C (237 F)
Vapor density	No data available
Density	1.44 g/cm ³ at 20 C (68 F)
Relative density	No data available
Water solubility	No data available
Partition coefficient n-octanol/water	log Pow: 2.25 at 25 C (77 F) – Bioaccumulation is not expected.
Autoignition temperature	No data available
Decomposition temperature	No data available
viscosity	No data available
Explosive properties	No data available
Oxidizing properties	None
Other safety information	No data available

10 - Stability and Reactivity

Reactivity

Forms explosive mixtures with air on intense heating.

A range from approx. 15 Kelvin below the flash point is to be rated as critical.

The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

Possibility of hazardous reactions

Risk of ignition or formation of inflammable gases or vapors with:

Flourine; Iodine

Violent reactions possible with:

Strong oxidizing agents; Iron/iron-containing compounds

Conditions to avoid

Light; Strong heating.

Incompatible materials

No data available

Hazardous decomposition products

In the event of fire: see section 5.

11 - Toxicological Information

Information on toxicological effects

Acute toxicity

LD50 Oral – Rat – Male – 891 mg/kg (OECD Test Guideline 401)

Oral: Behavioral-Muscle weakness.

Inhalation: No data available.

LD50 Dermal – Rat – Male and Female - > 2.000 mg/kg (OECD Test Guideline 402)

Skin corrosion/irritation

Skin – Rabbit

Result: No skin irritation – 4 h (OECD Test Guideline 404)

Serious eye damage/eye irritation

Eyes – Rabbit

Result: Risk of serious damage to eyes. (Draize Test)

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

Test Type: In vitro mammalian cell gene mutation test

Test System: mouse lymphoma cells

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 476

Result: Negative

Test Type: Chromosome aberration test in vitro

Test System: Chinese hamster ovary cells

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 473

Result: Negative

Test Type: Ames test

Test System: Escherichia coli/Salmonella typhimurium

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: Negative

Test Type: Chromosome aberration test

Species: Mouse

Cell type: Bone marrow

Application Route: Intraperitoneal

Method: OECD Test Guideline 475

Result: Negative

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Test Type: Sister chromatid exchange assay

Species: Mouse

Cell type: Bone marrow

Application Route: Oral

Method: US-EPA

Result: Negative

Carcinogenicity

IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive toxicity Suspected of damaging the unborn child

Specific target organ toxicity – single exposure No data available

Specific target organ toxicity – multiple exposure No data available

Aspiration hazard No data available

Additional information

Repeated dose toxicity – Rat – male and female – Oral – 2 yr – NOAEL (No observed adverse effect level) – 50 mg/kg

Remarks: (in analogy to similar products)

(ECHA)

The value is given in analogy to the following substances: methyl salicylate

RTECS: VO0525000

Cough, Shortness of breath, Headache, Nausea, Vomiting

Mild chronic salicylate intoxication is termed salicylism. Symptoms include: headache, dizziness, ringing in the ears, difficulty in hearing, dimness of

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

Stomach – Irregularities – Based on Human Evidence

marked alterations in acid-base balance.

12 - Ecological Information

Toxicity

Toxicity to fish

Flow-through test LC50 – Pimephales promelas (fathead minnow) – 1,370 mg/l – 96 h (OECD Test Guideline 203)

Remarks: (in analogy to similar products)

The value is given in analogy to the following substances: Sodium salicylate

Toxicity to daphnia and other aquatic invertebrates

Static test EC50 – Daphnia magna (Water flea) – 870 mg/l – 48 h (OECD Test Guideline 202)

Toxicity to algae

Growth inhibition ErC50 – Desmodesmus subspicatus (green algae) - > 100 mg/l – 72 h (OECD Test Guideline 201)

Toxicity to daphnia and other aquatic

Static test EC50 – Pseudomonas putida – 380 mg/l – 16 h

Remarks: (ECHA) The value given is in analogy to the following substances: methyl salicylate.

Persistence and degradability

Biodegradability

Aerobic – Exposure time 4 d

Result: > 90 % - Inherently biodegradable (Regulation (EC) No. 440/2008, Annex, C.9)

Bioaccumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

Endocrine disrupting properties

No data available

Other adverse effects

No data available

13 - Disposal Considerations

Waste treatment methods

Product

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

14 - Transport Information

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods
Further information	Not classified as dangerous in the meaning of transport regulations.

15 - Regulatory Information

SARA 302 Components	This material does not contain any components with a section 302 EHS TPQ.
SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards	Acute Health Hazard, Chronic Health Hazard
Massachusetts Right To Know Component	No components are subject to the Massachusetts Right To Know Act.

16 - Other Information

Further information	
Revision Date:	09/06/22
Print Date:	03/04/23

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