

Material Safety Data Sheet

Section 1. Identification of the substance

Product Name: **(S)-1,2,3,4-Tetrahydronaphthoic acid**
Synonyms: (S)-(-)-1,2,3,4-Tetrahydro-1-naphthoic acid

Section 2. Hazards identification

Harmful by inhalation, in contact with skin, and if swallowed.

H302: Harmful if swallowed

H319: Causes serious eye irritation

H411: Toxic to aquatic life with long lasting effects

P273: Avoid release to the environment

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

Section 3. Composition/information on ingredients.

Ingredient name: (S)-1,2,3,4-Tetrahydronaphthoic acid
CAS number: 85977-52-2

Section 4. First aid measures

Skin contact: Immediately wash skin with copious amounts of water for at least 15 minutes while removing

contaminated clothing and shoes. If irritation persists, seek medical attention.

Immediately wash skin with copious amounts of water for at least 15 minutes. Assure adequate

Eye contact:

flushing of the eyes by separating the eyelids with fingers. If irritation persists, seek medical attention.

Inhalation: Remove to fresh air. In severe cases or if symptoms persist, seek medical attention.

Ingestion: Wash out mouth with copious amounts of water for at least 15 minutes. Seek medical attention.

Section 5. Fire fighting measures

In the event of a fire involving this material, alone or in combination with other materials, use dry powder or carbon dioxide extinguishers. Protective clothing and self-contained breathing apparatus should be worn.

Section 6. Accidental release measures

Personal precautions: Wear suitable personal protective equipment which performs satisfactorily and meets local/state/national standards.

Respiratory precaution: Wear approved mask/respirator

Hand precaution: Wear suitable gloves/gauntlets

Skin protection: Wear suitable protective clothing

Eye protection: Wear suitable eye protection

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Methods for cleaning up: Mix with sand or similar inert absorbent material, sweep up and keep in a tightly closed container

for disposal. See section 12.

Environmental precautions: Do not allow material to enter drains or water courses.

Section 7. Handling and storage

Handling: This product should be handled only by, or under the close supervision of, those properly qualified

in the handling and use of potentially hazardous chemicals, who should take into account the fire, health and chemical hazard data given on this sheet.

Storage: Store in closed vessels.

Section 8. Exposure Controls / Personal protection

Engineering Controls: Use only in a chemical fume hood.

Personal protective equipment: Wear laboratory clothing, chemical-resistant gloves and safety goggles.

General hygiene measures: Wash thoroughly after handling. Wash contaminated clothing before reuse.

Section 9. Physical and chemical properties

Appearance: Not specified

No data

Boiling point:

Melting point: No data

Flash point: No data

Density: No data

Molecular formula: C₁₁H₁₂O₂

Molecular weight: 176.2

Section 10. Stability and reactivity

Conditions to avoid: Heat, flames and sparks.

Materials to avoid: Oxidizing agents.

Possible hazardous combustion products: Carbon monoxide.

Section 11. Toxicological information

No data.

Section 12. Ecological information

No data.

Section 13. Disposal consideration

Arrange disposal as special waste, by licensed disposal company, in consultation with local waste disposal authority, in accordance with national and regional regulations.

Section 14. Transportation information

Non-hazardous for air and ground transportation.

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Section 15. Regulatory information

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302, or have known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

SECTION 16 - ADDITIONAL INFORMATION

N/A