GPS Safety Summary
Sodium 3-hydroxy-2-naphthoate

Chemical Identity

Name: 2-Naphthalenecarboxylic acid, 3-hydroxy-, sodium salt

CAS number: 14206-62-3

Molecular formula: $C_{11}H_7O_3.Na$

Product Uses

Sodium 3-hydroxy-2-naphthoate is an intermediate used under strictly controlled and rigorously contained conditions.

Health Information

Human Health Safety Assessment

Note: The information contained in the table below may be useful to someone handling the concentrated substance such as a manufacturer or transporter. Consumers are not likely to come in contact with the concentrated substance. The data, while verifiable, are not intended to be comprehensive nor replace the data found in the (M)SDS.
Effect Assessment | Result
--- | ---
**Acute Toxicity** | Of moderate toxicity after single ingestion. The statement has been derived from products of a similar structure or composition.

**Irritation** | Irritating to eyes. Not irritating to the skin. The statement has been derived from products of a similar structure or composition.

**Mutagenicity** | No mutagenic effect was found in various tests with microorganisms and mammalian cell culture. The statement has been derived from products of a similar structure or composition.

**Toxicity after repeated exposure** | The substance may cause damage to the liver after repeated ingestion of high doses, as shown in animal studies. The statement has been derived from products of a similar structure or composition.

**Toxicity for reproduction** | The results of animal studies gave no indication of a fertility impairing effect. The statement has been derived from products of a similar structure or composition.

---

**Environmental Information**

**Environment Safety Assessment**

*Note: The information in this chapter is intended to provide brief and general information of this substance’s environmental impact. The results in the table below refer to testing performed with the concentrated substance. The data contained in this section explain the relative effect of the concentrated substance on the environment, as defined by certain tests.*

<table>
<thead>
<tr>
<th>Effect Assessment</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aquatic Toxicity</strong></td>
<td>Acutely harmful to aquatic life. With high probability the product is not chronically harmful to aquatic organisms based on long-term toxicity data. The statement has been derived from products of a similar structure or composition.</td>
</tr>
<tr>
<td><strong>Persistence and degradability</strong></td>
<td>Poorly biodegradable. The statement has been derived from products of a similar structure or composition.</td>
</tr>
</tbody>
</table>
Bioaccumulation potential

 Accumulation in organisms is not expected. The statement has been derived from products of a similar structure or composition.

Physical/Chemical Properties

Phys/Chem Safety Assessment

- Sodium 3-hydroxy-2-naphthoate is a pale yellow crystalline substance. It is non-flammable and non-explosive.

Note: The results in the table below refer to testing performed with the concentrated substance. It is not intended to be comprehensive or to replace information found in the (M)SDS.

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Crystalline solid</td>
</tr>
<tr>
<td>Melting / freezing point</td>
<td>222-223°C</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not applicable; substance decomposes</td>
</tr>
<tr>
<td>Flammability</td>
<td>Not highly flammable</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Non-explosive</td>
</tr>
<tr>
<td>Self-ignition temperature</td>
<td>Not self-igniting</td>
</tr>
</tbody>
</table>

Exposure Potential

- **Workplace exposure:** Sodium 3-hydroxy-2-naphthoate is used as an intermediate in industrial settings under strictly controlled and rigorously contained conditions. Therefore, releases and subsequent worker exposure are unlikely. Nevertheless, workers should follow the recommended safety measures in the extended Safety Data Sheet (eSDS).

- **Consumer exposure:** There is no intended use of sodium 3-hydroxy-2-naphthoate in consumer products. Therefore, a health hazard due to exposure for the consumer is negligible.
Environmental exposure: As described earlier, 3-hydroxy-2-naphthoate is used as an intermediate in chemical syntheses. It is exclusively used in industrial settings and hence releases to the environment are strictly controlled. Though the substance is only poorly biodegradable and classified as acutely harmful to aquatic life, a risk for the environment is considered to be negligible, since no significant releases into the environment are expected. Conclusively, all identified uses are safe for the environment based on the scientific facts summarized above and when carried out in compliance with recommended risk management measures and applicable regulations.

Recommended Handling Measures

The recommended safety measures generally apply in contact with the concentrated substance. It is NOT intended to replace the comprehensive guidance found in the (M)SDS, only supplement it. Please refer to the (M)SDS for specific safety and first aid measures.

When using concentrated chemicals always make sure that there is adequate ventilation. Always use appropriate chemical resistant gloves to protect your hands and skin and always wear eye protection such as chemical goggles. Do not eat, drink, or smoke where chemicals are handled, processed, or stored. Wash hands and skin following contact. If the substance gets into your eyes, rinse eyes thoroughly for at least 15 minutes with tap water and seek medical attention. For specific advice please consult the corresponding (Material) Safety Data Sheet of the substance.

All effluent releases that may include the substance must be directed to a (municipal) waste water treatment plant that removes the substance from the final releases to the receiving water.

Regulatory Information / Classification and Labeling

Under GHS substances are classified according to their physical, health, and environmental hazards. The hazards are communicated via specific labels and the (M)SDS. GHS attempts to standardize hazard communication so that the intended audience (workers, consumers, transport workers, and emergency responders) can better understand the hazards of the chemicals in use.

Note: The hazard statements and symbols presented here refer to the hazard properties of the concentrated substance and are meant to provide a brief overview of the substance’s labeling. It is not intended to be comprehensive or to replace information found in the (M)SDS.
Labeling according to UN GHS
UN GHS is the basis for country specific GHS labeling

Signal word:
Warning

Hazard statements:
H302: Harmful if swallowed.
H319: Causes serious eye irritation.
H402: Harmful to aquatic life

Additional information


Disclaimer

This Product Safety Summary is intended to provide a general overview of the chemical substance. It contains basic information and is not intended to provide emergency response information, medical information or treatment information. The summary cannot be relied on to provide in-depth safety and health information. In-depth safety and health information must be obtained from the Material Safety Data Sheet ((M)SDS) for the chemical substance.

IMPORTANT: While the data and information contained herein are presented in good faith and believed to be accurate at the date of printing, it is provided for your guidance only and may be revised in the future. No warranties of any kind, either express or implied, of merchantability, fitness for a particular purpose or of any other nature are made regarding the data or information provided. Further, it is expressly understood that the data and information
furnished by BASF hereunder are given gratis and BASF assumes no obligation or liability whatsoever resulting from use of or reliance on the data and information given.

Contact

For further information on this substance or GPS safety summaries in general, please contact: info.gps@basf.com