

# Safety Data Sheet

Regulation (EC) No. 1907/2006, 1272/2008

Version No.: 1.0

Printing Date: July 26, 2021

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## SDS REPORT

Zhejiang Shengxiao Chemicals Co., Ltd.

C, 30 Building, Hehua East District, Quzhou, Zhejiang, China

**SDS Report No.** : SDS20210629013  
**Compilation Date** : July 26, 2021  
**Trade Name** : 6-Hydroxy-2-naphthoic acid  
**Composition/Ingredient of The Sample** : See Section 3 on the SDS  
**Service Requested** : Safety Data Sheet (SDS) for the sample with submitted composition.  
**Summary** : As per request, the contents and formats of the SDS are prepared in accordance with Regulation (EC) No 1907/2006, its amendment Regulation (EU) No 2020/878, (EC) No 1272/2008 and are provided per attached.

Signed for and on behalf of  
FOCO Technical Center:



**Jacky Wu**  
**Technical director**

# Safety Data Sheet

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

- Trade name: 6-Hydroxy-2-naphthoic acid
- EC No: 240-759-7
- CAS No: 16712-64-4
- Index No.: No data available
- REACH Registration No.: No data available

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against on

- Application of the substance/ mixture: Antiseptic.
- Uses advised against: No data available
- Reason why uses advised against: No data available

#### 1.3 Details of the supplier of the safety data sheet

##### ·Manufacturer /Supplier:

Zhejiang Shengxiao Chemicals Co., Ltd.  
 C, 30 Building, Hehua East District, Quzhou, Zhejiang, China  
 Tel: +086 570-3083456  
 Fax: +086 570-3085678  
 Email: sx@shengxiaochemical.com

·Further information obtainable from: Zhejiang Shengxiao Chemicals Co., Ltd.

#### 1.4 Emergency telephone number

REACH DEPARTMENT  
 Li Zhang  
 Tel: +086 570-3083456 (24 hours available)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### 2.1.1 Classification according to regulation (EC) 1272/2008:

Regulation (EC) No 1272/2008 [CLP]	Classification procedure
Acute Tox. 4, H302 (oral)	On basis of test data
Eye Dam. 1, H318	On basis of test data
Aquatic Chronic 3, H412	On basis of test data

##### 2.1.2 Additional information:

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

#### 2.2 Label elements

·Labeling according to Regulation (EC) No 1272/2008: The product is labelled according to CLP Regulation.

##### ·Hazard pictograms:



GHS05 GHS07

·Signal word: *Danger*

·Hazard statements:

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**Trade Name:** 6-Hydroxy-2-naphthoic acid

H302 Harmful if swallowed  
 H318 Causes serious eye damage  
 H412 Harmful to aquatic life with long lasting effects

**Precautionary statement:**

P264 Wash hands and face thoroughly after handling.  
 P273 Avoid release to the environment.  
 P280 Wear eye protection/ face protection.  
 P305 + P351 + P338 + P310 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.  
 P501 Dispose of contents/container in accordance with local regulation.

**2.3 Other hazards**

Substance does not meet the criteria for PBT/vPvB in accordance with Annex XIII.

Substance was not identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100

**SECTION 3: Composition/information on ingredients****3.1 Substance**

Substance name	CAS No.	EC No.	Index No	Weight %	SCL/ M-factor/ ATE
6-Hydroxy-2-naphthoic acid	16712-64-4	240-759-7	-	100	ATE(oral)=823mg/kg

**3.2 Mixture**

Not applicable

**SECTION 4: First aid measures****4.1 Description of first aid measures****General advice:** Call a POISON CENTER or doctor/physician if feel unwell.**After inhalation:** Supply with fresh air. Call a POISON CENTER/doctor if you feel unwell.**After skin contact:** Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.**After eye contact:** 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.**After swallowing:** Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor if you feel unwell.**4.2 Most important symptoms and effects, both acute and delayed:** Harmful if swallowed; Causes serious eye damage.**4.3 Indication of any immediate medical attention and special treatment needed:** Treatment according to symptoms, no known specific medicine.**SECTION 5: Fire-fighting measures****5.1 Extinguishing media****Suitable extinguishing agents:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.**Unsuitable extinguishing media:** No special unsuitable extinguishing media.**5.2 Special hazards arising from the substance or mixture:** May produce harmful/ corrosive dust/ fume.

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**·5.3 Advice for firefighters****Protective equipment:** Wear self-contained breathing apparatus and special tightly sealed suit (Comply with EN 133).**SECTION 6: Accidental release measures****·6.1 Personal precautions, protective equipment and emergency procedures****·6.1.1 For non-emergency personnel****Protective equipment:** Eye protection/ face protection and respiration protection.**Emergency procedures:** Evacuate quickly; Ensure good ventilation; Wear eye protection/ face protection and respiration protection;

Avoid contact with eyes.

**·6.1.2 For emergency responders****Personal protective equipment:** Protective gloves/ protective clothing/ eye protection/ face protection and respiration protection**·6.2 Environmental precautions:**

Prevent further leakage or spillage if safe to do so; Prevent spillage from entering drains, sewer, basement or confined areas; if the spillage contaminates rivers, lakes or drains inform respective authorities.

**·6.3 Methods and material for containment and cleaning up:**

Do not use water flush; Ensure good ventilation; Dispose contaminated material as waste according to section 13.

**·6.4 Reference to other sections:**

See section 7 for information on safe handling; See section 8 for information on personal protection equipment; See section 13 for disposal information.

**SECTION 7: Handling and storage****·7.1 Precautions for safe handling:**

Ensure good ventilation/ exhaust at the workplace; Do not eat, drink or smoke when using this product; Avoid breathing dust; Wear eye protection/face protection; Use respiratory protective device against the effects of dust; Prevent to contact with eyes.

**·Information about fire and explosion protection:** Normal measures for preventive fire protection.**·7.2 Conditions for safe storage, including any non-compatibility****·Requirements to be met by storerooms and receptacles:** Store in a dry and well-ventilated place.**·Information about storage in one common storage facility:** Store in the original container.**·Further information about storage conditions:** Store locked up.**·Storage class:** 13.**·7.3 Specific end use(s):** See section 1.2.**SECTION 8: Exposure controls/personal protection****·8.1 Control parameters****·Ingredients with limit values that require monitoring at the workplace:** No available data.**·DNELs:** No available data.**·PNECs:**

Freshwater

144.2 µg/L

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Intermittent releases (freshwater)	329 µg/L
Marine water	14.42 µg/L
Sewage treatment plant (STP)	27.8 mg/L
Sediment (freshwater)	740 µg/kg sediment dw
Sediment (marine water)	74 µg/kg sediment dw
Soil	19 µg/kg soil dw

·**Additional information:** The lists valid during the marking were used as basis.

### ·8.2 Exposure controls

·**Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.**

#### ·Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice; Wash hands and face before breaks and at the end of work; See section 7 for information about design of technical facilities.

#### ·Personal protective equipment

##### ·Eye/Face protection:



**Safety glasses**

Protective goggles with side-shields.

##### ·Skin protection

##### ·Hand protection:



**Protective gloves**

Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness > 0.11 mm; breakthrough times up to 480 minutes).

**Other skin protection:** Gauntlets, boots, bodysuit are recommended.

·**Respiration protection:** Dust mask is necessary.

·**Thermal hazards:** All the personal protective equipment must be heat-resistant.

##### ·Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

## SECTION 9: Physical and chemical properties

### ·9.1 Information on basic physical and chemical properties

·Physical state	Crystalline powder
·Color	Beige
·Odor & Odor threshold	Odorless
·Melting point/freezing point	248 °C
·Boiling point or initial boiling point and boiling range	358 °C
·Flammability	Not flammable solid
·Lower and upper explosion limit	Not applicable
·Flash point	201 °C
·Auto-ignition temperature	Not determined

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·Decomposition temperature	Not determined
·pH	Not determined, this product almost insoluble in water
·Kinematic viscosity (mm <sup>2</sup> /s)	Not applicable
·Solubility	99mg/l at 20 °C
·Partition coefficient n-octanol/water (log value)	2.1 at 20 °C
·Vapor pressure	Not applicable
·Density and/or relative density	1.45 at 20 °C
·Relative vapor density	Not applicable
·Particle characteristics	Not determined
<b>·9.2 Other information</b>	
<b>·9.2.1 Information with regard to physical hazard classes:</b>	
·Explosives	Not applicable
·Flammable gases	Not applicable
·Aerosols	Not applicable
·Oxidising gases	Not applicable
·Gases under pressure	Not applicable
·Flammable liquids	Not applicable
·Flammable solids	Not applicable
·Self-reactive substances and mixtures	Not applicable
·Pyrophoric liquids	Not applicable
·Pyrophoric solids	Not applicable
·Self-heating substances and mixtures	Not applicable
·Substances and mixtures, which emit flammable gases in contact with water	Not applicable
·Oxidizing liquids	Not applicable
·Oxidizing solids	Not applicable
·Organic peroxides	Not applicable
·Corrosive to metals	Not applicable
·Desensitised explosives	Not applicable
<b>·9.2.2 Other safety characteristics</b>	
·Mechanical sensitivity	Not applicable
·Self-accelerating polymerisation temperature	Not applicable
·Formation of explosible dust/air mixtures	Not applicable
·Acid/alkaline reserve	Not determined
·Evaporation rate	Not applicable
·Miscibility	Not applicable
·Conductivity	Not applicable
·Corrosiveness	Not applicable
·Gas group	Not applicable
·Redox potential	Not applicable
·Radical formation potential	Not applicable
·Photocatalytic properties	Not applicable
·Other physical and chemical parameters	Not determined

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### SECTION 10: Stability and reactivity

- 10.1 Reactivity: No decomposition if used according to specification.
- 10.2 Chemical stability: Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions: No known hazardous reaction.
- 10.4 Conditions to avoid: High temperature and high humidity.
- 10.5 Incompatible materials: Alkaline substance.
- 10.6 Hazardous decomposition products: No known hazardous decomposition products.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

·Acute toxicity: Harmful if swallowed.

Routes of exposure	Method /source	Species	Effective Dose	Results	Remark
Acute oral toxicity	OECD Guideline 401 (documented study, 1981)	Rat	LD50	823mg/kg	-

·Skin corrosion/irritation: Based on available data, the classification criteria are not met.

·Serious eyes damage/ irritation: Causes serious eye damage.

Species	Method/Source	Result /Evaluation	Remark
Rabbit	OECD Guideline 405 (documented study, 1983)	Corneal opacity, Scores:	1.3
		Iritis, Scores:	0.3
		Conjunctival Redness: Scores:	2
		Conjunctival oedema (chemosis), Scores	1.7
			Irreversible by Day 14

·Respiratory or skin sensitization: Based on available data, the classification criteria are not met.

·Germ cell mutagenicity: Based on available data, the classification criteria are not met.

·Carcinogenicity: Based on available data, the classification criteria are not met.

·Reproductive toxicity: Based on available data, the classification criteria are not met.

·STOT-single exposure: Based on available data, the classification criteria are not met.

·STOT-repeated exposure: Based on available data, the classification criteria are not met.

·Aspiration hazard: Based on available data, the classification criteria are not met.

#### 11.2 Information on other hazards

##### 11.2.1 Endocrine disrupting properties:

Substance was not considered to have endocrine-disrupting properties with respect to humans as it meets the criteria set out in section A of Regulation (EU) No 2017/2100.

11.2.2 Other information: No known other relevant information on adverse health effects.



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### SECTION 12: Ecological information

#### ·12.1 Toxicity

Acute (short-term) toxicity:

Species	Effect dose	Value	Test duration	Method	Remark
Killifish	LC50	82.2 mg/L	96h	Structural analogue of 6 -HNA, 3 -HNA	-
Daphnia magna	EC50	32.9 mg/L	48h	Structural analogue of 6 -HNA, 3 -HNA	-

Chronic (long-term) toxicity:

Species	Effect dose	Value	Test duration	Method	Remark
Daphnia magna	NOEC	10.4 mg/L	21d	Structural analogue of 6 -HNA, 3 -HNA	-

#### ·12.2 Persistence and degradability:

Inoculum	Parameter	Degradation rate	Method	Remark
In a Zahn-Wellens test	28d	85%	Structural analogue of 6 -HNA, 3 -HNA	-

·12.3 Bio-accumulative potential: Log Kow= 2.1 at 25 °C.

·12.4 Mobility in soil: Log Koc=1.58 at 20 °C.

#### ·12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

#### ·12.6 Endocrine disrupting properties:

This substance does not have endocrine disrupting properties with respect to non-target organisms as it does not meet the criteria set out in section B of Regulation (EU) No 2017/2100.

·12.7 Other adverse effects: No known other adverse effects.

#### ·12.8 Additional ecological information

·General notes: WGK2 (German Regulation) (self-assessment): Hazardous for water.

Do not allow the product to reach ground water, water course or sewage system.

### SECTION 13: Disposal consideration

#### ·13.1 Waste treatment methods

·Recommendation: Must not be disposed together with household garbage.

#### ·13.2 Un-cleaned packaging

·Recommendation: Dispose of contents/container in according to the local regulation.

### SECTION 14: Transport information

·14.1 UN-Number ADR, RID, ADN, IMDG, IATA	Not regulated as dangerous transport goods, not applicable
·14.2 UN proper shipping name	



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ADR, RID, ADN, IATA, IMDG	Void
·14.3 Transport hazard class (es) ADR, RID, ADN, IATA, IMDG Class Label	Void Void
·14.4 Packing group ADR, RID, ADN, IMDG, IATA	Void
·14.5 Marine pollution	No
·14.6 Special precautions for user ·Danger code (Kemler) ·EMS number	Void Void Void
·14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Void

### SECTION 15: Regulatory information

·15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

·MAK (German Maximum Workplace Concentration): Not listed.

·Directive 2012/18/EU

·Named dangerous substances-ANNEX I: Not listed.

·Seveso category: Not applicable

·Qualifying quantity (tonnes) for the application of lower-tier requirements: Not applicable

·Qualifying quantity (tonnes) for the application of upper-tier requirements: Not applicable

·National regulations.

·Water hazard class: WGK2 (German Regulation) (self-assessment): Hazardous for water.

·Other regulations, limitations and prohibitive regulations

·SVHC Candidate list of REACH Regulation Annex XIV Authorization: Not listed.

·REACH Regulation Annex XVII Restriction: Not listed.

·REACH Regulation Annex XIV Authorization List: Not listed.

·15.2 Chemical safety assessment: A Chemical Safe Assessment has not been carried out.

### SECTION 16: Other information

·16.1 Indication of changes:

Not applicable

·16.2 Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

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**Trade Name:** 6-Hydroxy-2-naphthoic acid*PBT: Persistent, Bio accumulative and Toxic**SVHC: Substance of Very High Concern**LD50: Lethal dose, 50 percent**LC50: Lethal concentration, 50 percent**EC50: Concentration of maximal effect, 50 percent**NOEC: No observed effect concentration**Acute Tox. 4: Acute toxicity, hazard category 4**Eye Dam. 1: Eye damage/irritation, hazard category 1**Aquatic Chronic 3: Long-term (chronic) aquatic hazard, hazard category 3***·16.3 Key literature references and sources for data**<https://echa.europa.eu/><https://chem.nlm.nih.gov/><https://www.osha.gov/><http://www.unece.org/><http://www.imo.org/><https://www.dguv.de/><https://epa.govt.nz/><http://www.ilo.org/><https://www.phmsa.dot.gov/>**·16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]:**

See SECTION 2.1 (classification).

**·16.5 Relevant H- and EUH-phrases (number and full text):**

H302 Harmful if swallowed

H318 Causes serious eye damage

H412 Harmful to aquatic life with long lasting effects

**·16.6 Training advice:**

Workers must be educated and trained so they understand the hazards, and know how to work safely with hazardous products

**·16.7 Further information**

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, its amendment Regulation (EU) No 2020/878 and (EC) No 1272/2008.

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End of safety data sheet