

# Material Safety Data Sheet

Printing date 05/1/2010

Reviewed on 05/1/2010

## 1 Identification of substance:

### Product details:

**Product name:** 3-Hydroxy-2-naphthoic acid

**Stock number:**

### Manufacturer/Supplier:

SUZHOU LINTONG CHEMICAL SCIENCE CORPORATION

Yinshan Bridge Suzhou China PC:215124

Emergency Phone: (86) 512-6525 2073

Facsimile: (86) 512-6525 2487

Web Site: [www.lintong.com](http://www.lintong.com)

**Information Department:** Health, Safety and Environmental Department

### Emergency information:

During normal hours the Health, Safety and Environmental Department.

## 2 Composition/Data on components:

### Chemical characterization:

#### Description: (CAS#)

3-Hydroxy-2-naphthoic acid (CAS# 92-70-6): 100%

#### Identification number(s):

EINECS Number: 202-180-8

## 3 Hazards identification

### Hazard description:



Xn Harmful

### Information pertaining to particular dangers for man and environment

R 22 Harmful if swallowed.

R 36/37/38 Irritating to eyes, respiratory system and skin.

### Classification system

#### HMIS ratings (scale 0-4)

#### (Hazardous Materials Identification System)

HEALTH	1
FIRE	1
REACTIVITY	1

Health (acute effects) = 1

Flammability = 1

Reactivity = 1

## 4 First aid measures

### After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm.

Seek immediate medical advice.

### After skin contact

Immediately wash with water and soap and rinse thoroughly.

Seek immediate medical advice.

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## After eye contact

Rinse opened eye for several minutes under running water. Then consult a doctor.

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After swallowing Seek immediate medical advice.

## 5 Fire fighting measures

### Suitable extinguishing agents

Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

### Special hazards caused by the material, its products of combustion or resulting gases:

In case of fire, the following can be released:

Carbon monoxide and carbon dioxide

### Protective equipment:

Wear self-contained respirator.

Wear fully protective impervious suit.

## 6 Accidental release measures

### Person-related safety precautions:

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

### Measures for environmental protection:

Do not allow material to be released to the environment without proper governmental permits.

### Measures for cleaning/collecting:

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

### Additional information:

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7 Handling and storage

### Handling

#### Information for safe handling:

Keep container tightly sealed.

Store in cool, dry place in tightly closed containers.

Ensure good ventilation at the workplace.

#### Information about protection against explosions and fires:

Keep ignition sources away.

### Storage

#### Requirements to be met by storerooms and receptacles:

No special requirements.

#### Information about storage in one common storage facility:

Store away from oxidizing agents.

#### Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed containers.

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## 8 Exposure controls and personal protection

### Additional information about design of technical systems:

Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

### Components with limit values that require monitoring at the workplace:

Not required.

Additional information: No data

### Personal protective equipment

#### General protective and hygienic measures

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Remove all soiled and contaminated clothing immediately.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

#### Breathing equipment:

Use suitable respirator when high concentrations are present.

#### Protection of hands:

Impervious gloves

Check protective gloves prior to each use for their proper condition.

#### Material of gloves

The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer.

Eye protection: Safety glasses

Body protection: Protective work clothing.

## 9 Physical and chemical properties:

### General Information

Form:	Crystalline
Color:	Pale yellow
Odor:	Not determined

### Change in condition

Melting point/Melting range:	220-223°C (428-433°F)
Boiling point/Boiling range:	Not determined
Sublimation temperature / start:	Not determined

Flash point: > 150°C (> 302°F)

Ignition temperature: Not determined

Decomposition temperature: Not determined

Danger of explosion: Product does not present an explosion hazard.

### Explosion limits:

Lower:	Not determined
Upper:	Not determined

Vapor pressure: Not determined

Density: Not determined

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## 10 Stability and reactivity

### Thermal decomposition / conditions to be avoided:

Decomposition will not occur if used and stored according to specifications.

**Materials to be avoided:** Oxidizing agents

**Dangerous reactions:** No dangerous reactions known

**Dangerous products of decomposition:** Carbon monoxide and carbon dioxide

## 11 Toxicological information

### Acute toxicity:

#### LD/LC50 values that are relevant for classification:

Route	LD50	Value
Oral	LD50	783 mg/kg (guinea pig)
		800 mg/kg (mouse)
		832 mg/kg (rat)

### Primary irritant effect:

**on the skin:** Irritant to skin and mucous membranes.

**on the eye:** Irritating effect.

**Sensitization:** No sensitizing effects known.

### Subacute to chronic toxicity:

#### Subacute to chronic toxicity:

The Registry of Toxic Effects of Chemical Substances (RTECS) reports the following effects in laboratory animals:

Behavioral - general anesthetic.

Behavioral - somnolence (general depressed activity).

Behavioral - ataxia.

### Additional toxicological information:

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.

No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.

## 12 Ecological information:

### General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Do not allow material to be released to the environment without proper governmental permits.

## 13 Disposal considerations

### Product:

#### Recommendation

Consult state, local or national regulations to ensure proper disposal.

### Uncleaned packagings:

**Recommendation:** Disposal must be made according to official regulations.

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## 14 Transport information

Not a hazardous material for transportation.

### DOT regulations:

Hazard class: None

### Land transport ADR/RID (cross-border)

ADR/RID class: None

### Maritime transport IMDG: (IMDG NOT REGULATED)

IMDG Class: None

### Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: None

### Transport/Additional information:

Not dangerous according to the above specifications.

## 15 Regulations

### Product related hazard informations:

#### Hazard symbols:

Xn Harmful

#### Risk phrases:

22 Harmful if swallowed.

36/37/38 Irritating to eyes, respiratory system and skin.

#### Safety phrases:

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

36/37 Wear suitable protective clothing and gloves.

#### National regulations

All components of this product are listed on Chinese Chemical Inventory of Existing Chemical Substances List.

Protection Agency Toxic Substances Control Act Chemical substance Inventory.

### Information about limitation of use:

For use only by technically qualified individuals.

## 16 Other information:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees.

Department issuing MSDS: Health, Safety and Environmental Department.