

# SAFETY DATA SHEET

8-HYDROXYQUINOLINE

Revision Date 15/8/2021



## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:**

**8-Hydroxyquinoline**

**Company:** Palica Chemistry Co., Limited

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## 2. HAZARDS IDENTIFICATION

**Emergency Overview**

**GHS Classification**

Acute toxicity, Oral (Category 4)

Skin irritation (Category 3)

Eye irritation (Category 2B)

Acute aquatic toxicity (Category 3)

**GHS Label elements, including precautionary statements**

**Pictogram**



**Signal word**

Warning

**Hazard statements**

H302 - Harmful if swallowed.

H316 - Causes mild skin irritation.

H320 - Causes eye irritation.

H402 - Harmful to aquatic life.

**Precautionary statements**

**Prevention**

P273 - Avoid release to the environment.

P280 - Wear protective gloves / protective clothing / eye protection / face protection.

**Response**

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

**Disposal**

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Synonyms:** 8-Hydroxyquinoline

**Molecular Formula:** C<sub>9</sub>H<sub>7</sub>NO

**Molecular Weight:** 145.16 g/mol

**CAS#:** 148-24-3

EC-No.: 205-711-1

Concentration: --

#### **4. FIRST AID MEASURES**

##### **General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area. Remove contaminated clothing.

##### **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Get medical attention immediately.

##### **In case of skin contact**

Remove contaminated clothing and shoes. Rinse skin with plenty of water or shower. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison center or physician.

##### **In case of eye contact**

Immediately flush eyes with plenty of water. Continue to rinse for at least 20 minutes. Get medical attention if irritation occurs.

##### **If swallowed**

Wash out mouth with water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

##### **Most important symptoms and effects, both acute and delayed**

No data available.

#### **5. FIRE-FIGHTING MEASURES**

##### **Suitable extinguishing media**

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

##### **Unsuitable extinguishing media**

No data available.

##### **Special hazards arising from the substance or mixture**

Carbon oxides, Nitrogen oxides (NO<sub>x</sub>).

##### **Hazardous thermal decomposition products**

No data available.

##### **Special protective actions for fire-fighters**

No data available.

##### **Advice for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary.

##### **Further information**

No data available.

#### **6. ACCIDENTAL RELEASE MEASURES**

##### **Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

##### **Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

##### **Methods and materials for containment and cleaning up**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

#### **7. HANDLING AND STORAGE**

##### **Personal precautions**

##### **Safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

##### **Advice on general occupational hygiene**

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

#### **Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well-ventilated place.

Light sensitive.

#### **Other advice**

No further information available.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **Components with workplace control parameters**

#### **Personal protective equipment**

##### **Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice.

##### **Hygiene measures**

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

##### **Eye/face protection**

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NOISH (US) or EN 166(EU)..

##### **Skin protection**

Avoid contact with skin. Compatible chemical-resistant gloves are recommended. Dispose of contaminated gloves after use in accordance with applicable laws. Wash and dry hands.

##### **Body protection**

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### **Respiratory protection**

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### **Control of environmental exposure**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **Appearance**

Form: powder

Color: light yellow to brown

### **Safety data**

pH: no data available

Melting range: 70 - 75°C

Initial boiling point: 267°C at 1.003 hPa - lit.

Flash point: no data available

Relative density: no data available

Vapour pressure: 0.00221 hPa at 25°C

Viscosity: Kinematic no data available

Ignition temperature: no data available

Lower explosion limit: no data available

Upper explosion limit: no data available

Partition coefficient(n-octanol/water): log Pow: 2.02

Relative Density: no data available

Water solubility: no data available

VOC (w/w): no data available

## 10. STABILITY AND REACTIVITY

### **Storage stability**

No data available.

### **Chemical stability**

Stable under recommended storage conditions.

### **Reactivity**

No data available

### **Possibility of hazardous reactions**

No data available.

### **Conditions to avoid**

No data available.

### **Incompatible materials**

Strong oxidizing agents, strong acids.

### **Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx)

Other decomposition products - no data available.

## 11. TOXICOLOGICAL INFORMATION

**Primary routes of exposure:** No data available.

### **Acute toxicity:**

LD50 Oral - rat - 1200 mg/kg

**Skin corrosion / irritation:** Skin - rabbit - Mild skin irritation - 24 h

**Serious eye damage / eye irritation:** Eyes - rabbit - Mild eye irritation

**Respiratory or skin sensitization:** No data available

**Germ cell mutagenicity:** No data available

### **Carcinogenicity**

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification..

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (8-Hydroxyquinoline)

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**Reproductive toxicity:** No data available

### **Specific target organ toxicity - single exposure (Globally Harmonized System)**

No data available

### **Specific target organ toxicity - repeated exposure (Globally Harmonized System)**

No data available

**Aspiration hazard:** No data available

**Subacute to chronic toxicity:** No data available

**Additional Information:** No data available

## 12. ECOLOGICAL INFORMATION

### **Toxicity:**

Toxicity to fish LC50 - other fish - 18 mg/l - 96 h

**Persistence and degradability:** No data available

**Biodegradation:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**PBT and vPvB conclusion:** No data available

### **Other adverse effects:**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Harmful to aquatic life.

## 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

#### **14. TRANSPORT INFORMATION**

##### **IMDG**

**UN number:** 3077

**Class:** 9

**Packing group:** III

**Proper shipping name:**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

**Marine pollutant:** No

#### **15. REGULATORY INFORMATION**

##### **Safety, health and environmental regulations**

No data available.

##### **Safety assessment**

No chemical safety assessment.

#### **16. OTHER INFORMATION**

##### **Further information**

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