



宜都市华阳化工有限责任公司

YIDU HUAYANG CHEMICAL CO., LTD

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## SAFETY DATA SHEET

### SECTION 1: Identification

Product Name: Benzophenone-3

Company Details: Yidu Huayang Chemical Co.,Ltd

Add: Binjiang Road Yidu City Hubei P.R.Of.China 443300

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### SECTION 2: Hazards identification

Classification of the substance or mixture

PHYSICAL HAZARDS: Not classified

HEALTH HAZARDS

Skin corrosion/irritation: Category 2

Serious eye damage/eye irritation: Category 2A

ENVIRONMENTAL HAZARDS

Acute aquatic hazard: Category 1

Long-term aquatic hazard: Category 1

Label elements

Pictograms or hazard symbols



Signal word: Warning

Hazard Statements: Causes skin irritation

Causes serious eye irritation

Very toxic to aquatic life

Very toxic to aquatic life with long lasting effects

Precautionary statement(s)

Prevention: Avoid release to the environment.

Wash hands and face thoroughly after handling.

Wear protective gloves, eye protection.

Response

IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice or attention.

Take off contaminated clothing and wash it before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention. Collect spillage.

Disposal: Dispose of contents and container in accordance with local, regional, national regulations.

### **SECTION 3: Composition/information on ingredients**

Component	2-Hydroxy-4-methoxybenzophenone
Formula	C <sub>14</sub> H <sub>12</sub> O <sub>3</sub>
CAS No.	131-57-7
Concentration	≤100%

### **SECTION 4: FIRST AID MEASURES**

General advice: Remove contaminated clothing. Get medical advice/attention if you feel unwell.

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing, summon medical help

On skin contact: Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water.

On contact with eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

On ingestion: Immediately rinse mouth, summon physician.

### **SECTION 5: FIRE FIGHTING MEASURES**

Suitable extinguishing media: Dry chemical, foam, water spray, carbon dioxide.

Special protective equipment: Wear self-contained breathing apparatus and protective suit.

Further information: Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

Personal precautions: Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.

Environmental precautions: Be careful not to let it flow into rivers, etc., since adverse effects on the environment are concerned.

Methods for cleaning up: Sweep dust to collect it into an airtight container, taking care not to disperse it. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

## **SECTION 7: HANDLING AND STORAGE**

Handling:

Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent dispersion of dust. Wash hands and face thoroughly after handling. Use a local exhaust if dust or aerosol will be generated.

Advice on safe handling: Avoid contact with skin, eyes and clothing.

Storage: Keep tightly closed in a dry and cool place. Store away from incompatible materials such as oxidizing agents.

## **SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Engineering controls: Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath.

Personal protective equipment

Respiratory protection: Dust respirator. Follow local and national regulations.

Hand protection: Protective gloves.

Eye protection: Safety glasses. A face-shield, if the situation requires.

Skin and body protection: Protective clothing. Protective boots, if the situation requires.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Light Yellow Crystal

Smell: light

Purity: 99.9% min

Melting point/melting range: 62~64°C

Flammability or explosive limits:

Lower: No data available

Upper: No data available

Relative density: No data available

Solubility(ies):

[Water] Insoluble

[Other solvents] Soluble: Alcohols, Toluene, Many organic solvents

Log Pow: 3.58

#### **SECTION 10: STABILITY AND REACTIVITY**

Chemical stability: Stable under proper conditions.

Possibility of hazardous reactions: No special reactivity has been reported.

Incompatible materials: Oxidizing agents

Hazardous decomposition products: Carbon dioxide, Carbon monoxide

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

Acute toxicity: orl-rat LD50:7400 mg/kg

ipr-mus LD50:300 mg/kg

Skin corrosion/irritation: No data available

Serious eye damage/eye irritation: No data available

Germ cell mutagenicity: mmo-sat 100 ug/plate.(-S9)

Carcinogenicity

IARC: No data available

NTP: No data available

Reproductive toxicity:

orl-rat TDLo:54 g/kg (90D male)

orl-mus TDLo:3 g/kg (multigenerations)

RTECS: DJ1575000

#### **SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity:

Fish: 48h LC50: 8.48 mg/L (Oryzias latipes)

96h LC50: 3.6 mg/L (Oryzias latipes)

Crustacea: 48h EC50: 1.9 mg/L (Daphnia magna)

Algae: 72h EC50: 0.41 mg/L (Selenastrum capricornutum)

Persistence / degradability: 4% (by BOD) , 0% (by HPLC)

Bioaccumulative potential(BCF): 39 - 160 (conc. 100 ug/L), 33 - 156 (conc. 10 ug/L)

Mobility in soil

Log Pow: 3.58

Soil adsorption (Koc): No data available

Henry's Law (PaM 3/mol):  $1.5 \times 10^{-3}$

### **SECTION 13: DISPOSAL CONSIDERATIONS**

Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

### **SECTION 14: TRANSPORT INFORMATION**

Hazards Class: 9; Miscellaneous dangerous goods.

UN-No: 3077

Proper shipping name: Environmentally hazardous substance, solid, n.o.s.

Packing group: III

Marine pollutant: Y

### **SECTION 15: REGULATORY INFORMATION**

Regulations on the Control over Safety of Dangerous Chemicals (State Council announces on January 26, 2002 and revised on February 16,2011): Safe use and production, the storage of a dangerous chemical, transport, loading and unloading were prescribed.

### **SECTION 16: OTHER INFORMATION**

The information contained herein is based on the present state of our knowledge and does not therefore

guarantee certain properties.

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