

SAFETY DATA SHEETS

According to Globally Harmonized System of Classification and Labelling of Chemicals (GHS) - Sixth revised edition

Version: 1.0

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SECTION 1. IDENTIFICATION OF THE SUBSTANCE

Product identifiers

Product name: 2,2'-Dihydroxy-4-methoxybenzophenone

CAS-No.: 131-53-3

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, Manufacture of substances

Details of the supplier of the safety data sheet

Company: CHEMLYTE SOLUTIONS CO., LTD

Address: A1-3-830, XiXi Center, No. 588, Wenyi West Road, Hangzhou 310000,
Zhejiang, China

Telephone: +86-(571)-85061365

Fax : +86-(571)-85060165

Emergency telephone number

Emergency Phone # : +1-703-527-3887

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Skin sensitization, Sub-category 1B

Hazardous to the aquatic environment, long-term (Chronic) - Category Chronic 2

Label elements

Pictograms or hazard symbols:



Signal word: Warning

Hazard Statements: May cause an allergic skin reaction

Toxic to aquatic life with long lasting effects

Precautionary statement(s)

Prevention: Avoid breathing dust/fume/gas/mist/vapours/spray.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection

Avoid release to the environment.

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.

IF exposed or concerned: Get medical advice or attention.

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

SECTION 3: Composition/information on ingredients

Component: 2,2'-Dihydroxy-4-methoxybenzophenone

Formula: C₁₄H₁₂O₄

CAS No.: 131-53-3

EC-No. : 205-026-8

Concentration: ≤100%

SECTION 4: FIRST AID MEASURES

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

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, self-contained breathing apparatus(SCBA), supplied air respirator, etc. Use respirators approved under appropriate government standards and 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: 97.0% min

Melting point/melting range: 68°C

Flammability or explosive limits: Lower: No data available

Upper: No data available

Relative density: No data available Solubility(ies):

[Water] No data available

[Other solvents] Soluble: Benzene, Ethanol, Toluene, Propylene glycol, Isopropanol

Slightly soluble: Hexane, Ethyleneglycol

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: No data available

Skin corrosion/irritation: No data available

Serious eye damage/eye irritation: No data available

Germ cell mutagenicity: mmo-sat 12500 ug/L (+S9)

mmo-sat 3 ug/plate (-S9)

mmo-mus-lym 32 ug/plate (+S9)

Carcinogenicity

IARC: No data available

NTP: No data available

Reproductive toxicity: No data available

RTECS: DJ1049500

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Fish: No data available

Crustacea: No data available Algae: No data available

Persistence / degradability: No data available

Bioaccumulative potential(BCF): No data available Mobility in soil

Log Pow: No data available

Soil adsorption (Koc): No data available Henry's Law (PaM3/mol): 2.0×10^{-4}

SECTION 13: DISPOSAL CONSIDERATIONS

Recycle to process, if possible. Consult your local regional authorities. You maybe 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

UN number

ADR/RID: -

IMDG: -

IATA: -

UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

Packaging group

ADR/RID: -

IMDG: -

IATA: -

Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

Special precautions for user

No data available

Further information

Not classified as dangerous in the meaning of transport regulations.

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

Further information



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