

Benzophenone-3

1, Product and Company Identification

- MSDS Name: 2-HYDROXY-4-METHOXYBENZOPHENONE, 99%
- Synonyms: Oxybenzone, HMB
- Company Information: Manufacturer:
 - HANGZHOU FLYING TECHNOLOGY CO., LTD.
 - Office C-1512, MeiDu Plaza, GongShu District, Hangzhou, Zhejiang Province, P.R. China.
 - Tel: 0086-571-87389059
 - Fax: 0086-571-87389060

2, Composition/Date on components

- Chemical characterizations: Cas# 131-57-7
- Designation: 2-HYDROXY-4-METHOXYBENZOPHENONE
- Content: 99%
- EINECS#: 205-031-5
- Hazard Symbols: None Listed
- Risk Phrases: None Listed

3, Hazards identification

- Company overview: N/A
- Potential Health Effects The toxicological properties of this material have not been investigated. Use appropriate procedures to prevent opportunities for direct contact with the skin or eyes and to prevent inhalation.

4, First aid measures

- Skin contact: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.
- Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
- Inhalation: Remove from exposure to fresh air immediately.
- Ingestion: Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.
- Notes to Physician.

5, Fire fighting measures

- General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
- Extinguishing Media: Use agent most appropriate to extinguish fire.

6, Accidental release measures:

- General Information: Use proper personal protective equipment as indicated in Section 8.
- Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal.

7, Handling and storage:

- Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.
- Storage: Store in a cool, dry place. Keep container closed when not in use.

8, Exposure controls and personal protection

- Engineering Controls: Use adequate general or local exhaust ventilation to keep airborne, concentrations below the permissible exposure limits. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.
- Personal Protective Equipment Eyes: Wear safety glasses and chemical goggles if splashing is possible. Skin: Wear appropriate protective gloves and clothing to prevent skin exposure. Clothing: Wear appropriate protective clothing to minimize contact with skin.
- Respirators: Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

9, Physical and chemical properties

- Molecular Formula C₁₄H₁₂O₃
- Molecular Weight 228.24
- CAS No. 131-57-7
- Appearance White or pale yellow powder
- Loss on drying 0.2 % max.
- Assay 99.0% min.
- Heavy metals 5ppm max.
- Melting point 62.0-65.0deg C
- Burnt Residue 0.1 max
- UV Absorbance Max @288 nm 630min.
- K Value 63min

10, Stability and reactivity

- Chemical Stability: Stable under normal temperatures and pressures.
- Conditions to Avoid: Incompatible materials.
- Incompatibilities with Other Materials: Oxidizing agents, bases, acid chlorides, acid anhydrides.

- Hazardous Decomposition Products: Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.
- Hazardous Polymerization: Has not been reported.

11, Toxicological information

- RTECS#: 205-031-5 CAS#: 131-57-7: DJ1575000
- LD50/LC50: CAS# 131-57-7: Oral, rat: LD50 = 7400 mg/kg.
- Carcinogenicity: 2-HYDROXY-4-METHOXYBENZOPHENONE, 98% -Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. See actual entry in RTECS for complete information.

12, Ecological information

- Biodegradability: Not biodegradable
- Ecotoxic effects: Don't discharge product unmonitored into the environment.

13, Disposal considerations

- Dispose of in a manner consistent with federal, state, and local regulations.

14, Transport information

- IATA Not regulated as a hazardous material.
- IMO Not regulated as a hazardous material.
- RID/ADR Not regulated as a hazardous material.

15, Regulatory information

- European/International Regulations European Labeling in Accordance with EC Directives
- Hazard Symbols: Not available.
- Risk Phrases:
- Safety Phrases: S 24/25 Avoid contact with skin and eyes. WGK (Water Danger/Protection)
- CAS# 131-57-7: 1
- United Kingdom Occupational Exposure Limits Canada CAS# 131-57-7 is listed on Canada's DSL List.
CAS# 131-57-7 is not listed on Canada's Ingredient Disclosure List.
- Exposure Limits US FEDERAL TSCA CAS# 131-57-7 is listed on the TSCA inventory.

16, Other information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising,

even if the company has been advised of the possibility of such damages.