



UV Absorbers Specialist

SAFETY DATA SHEET

BENZOPHENONE-12

SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Common name: BENZOPHENONE-12
Manufacturer: Jingmen Meifeng Chemical Co., Ltd.
Yingchun Industrial Park, Duodao district, Jingmen City, Hubei,
China
Tel: +86-714-6516948 Fax: +86-714-6515778

SECTION 2- HAZARDS IDENTIFICATION

Classification of the GHS

PHYSICAL HAZARDS Not classified

HEALTH HAZARDS

Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2A

ENVIRONMENTAL HAZARDS Not classified

GHS label elements

Pictograms or hazard symbols



Signal word Warning

Hazard statement H315-Causes skin irritation
H319-Causes serious eye irritation

Precautionary statements

[Prevention] P264-Wash hands thoroughly after handling.
P280-Wear protective gloves/eye protection/face protection.

[Response] P305+351+338-IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313-If eye irritation persists: Get medical advice/attention.
P302+350-If ON SKIN: Gently wash with soap and water.
P332+313-If skin irritation occurs: Get medical advice/attention.
P342-Take off contaminated clothing and wash before reuse.

SECTION 3- COMPOSITION/INFORMATION ON INGREDIENTS



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Substance/mixture:	Substance
Component(s):	2-Hydroxy-4-n-octyloxybenzophenone
CAS Number:	1843-05-6
EINECS Number:	217-421-2
Synonyms:	UV 531
Percent:	99.0%
Chemical Formula:	C ₂₁ H ₂₆ O ₃

SECTION 4- FIRST AID MEASURES

Eyes:	Flush with large volumes of water for at least 15 minutes. Get medical attention.
Skin:	Wash with large volumes of soap and water for at least 15 minutes. If irritation develops, get medical attention.
Ingestion:	If conscious, give person 1 to 2 glasses of water. Get medical attention immediately.
Inhalation:	Remove from exposure to fresh air immediately. Get medical aid.

SECTION 5- FIRE FIGHTING MEASURES

Suitable extinguishing media:

Dry chemical, foam, water spray, carbon dioxide.

Specific methods: 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.

Special protective equipment for firefighters:

When extinguishing fire, be sure to wear personal protective equipment.

SECTION 6- ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

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: Prevent product from entering drains.

Methods and materials for containment and 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

Technical measures: Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent dispersion of dust. Wash hands



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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

Storage conditions: Keep container tightly closed. Store in a cool and dark place. Store away from incompatible.

SECTION 8- EXPOSURE CONTROLS, 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

Physical state (20°C):	Solid
Form:	Crystal - powder
Color:	Pale greenish yellow
Odor:	No data available
pH:	No data available
Melting point/freezing point:	47-49°C
Boiling Point/Range:	No data available
Flash Point:	No data available
Explosive limits	
Lower:	No data available
Upper:	No data available
Density:	No data available
Solubility:	Soluble in: Benzene Toluene Hexane Slightly soluble in: Ethanol Insoluble in: Water

SECTION 10- STABILITY AND REACTIVITY

Stability: Stable under proper conditions.

Reactivity: No special reactivity has been reported.

Incompatible materials: oxidizing agents

Hazardous Decomposition

Products: Carbon monoxide, Carbon dioxide



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SECTION 11- TOXICOLOGICAL INFORMATION

Acute Toxicity:	orl-rat LD50:>10 g/kg skn-rbt LD50:>10 g/kg orl-rat LD50:13 g/kg
Skin corrosion/irritation:	No data available
Serious eye damage/irritation:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	
IARC =	No data available
NTP =	No data available
Reproductive toxicity:	No data available
RTECS Number:	DJ1595000

SECTION 12- ECOLOGICAL INFORMATION

Ecotoxicity:	
Fish:	96h LC50:>1.00 PPM (Oryzias latipes)
Crustacea:	No data available
Algae:	No data available
Persistence / degradability:	0 % (by BOD), 0 % (by HPLC)
Bioaccumulative potential(BCF):	89 - 190 (conc. 2 ug/L), 99 (conc. 0.2 ug/L)
Mobility in soil log Pow:	>6
Soil adsorption (Koc):	No data available
Henry's Law constant(PaM³/mol):	No data available

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:	Does not correspond to the classification standard of the United Nations
UN-No:	Not Listed

SECTION 15- REGULATORY INFORMATION

U.S. Federal Regulations: The components of this product are either on the TSCA Inventory or exempt (i.e. impurities, a polymer complying with the exemption rule at 40 CFR 723.250) from the Inventory.



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State Regulations: No information available

International Regulations: This material (or each component) is listed on the following inventories:

Canada - DSL

EU - EINECS

Australia - AICS

Japan - ENCS

Korea - ECL

Philippines - PICCS

China - List I

Canadian WHMIS Hazard Class and Division = D.2.b

SARA Hazards:

Acute: No Chronic: Yes

Reactive: No Fire: No

Pressure: No

Additional Information

The above regulatory information represents only selected regulations and is not meant to be a complete list.

SECTION 16- OTHER INFORMATION

MSDS Creation Date: 3/14/2002 Revision #3 Date: 07/30/2011

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.