

## Avobenzone


Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /  
March 26, 2012 / Rules and Regulation

Revision Date: 28-Feb-2024  
Supersedes: 11-Mar-2015

### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b>	Avobenzone	<b>Distributor:</b>	MakingCosmetics Inc.
<b>Synonyms:</b>	No data available	<b>Address:</b>	10800 231 <sup>st</sup> Way NE Redmond, WA 98053 (USA)
<b>INCI Name:</b>	Butyl Methoxydibenzoyl Methane	<b>Phone / Fax:</b>	425-292-9502 / 425-292-9601
<b>CAS Number:</b>	70356-09-1	<b>Web:</b>	<a href="http://www.makingcosmetics.com">www.makingcosmetics.com</a>
<b>Formula:</b>	No data available		
<b>Product Form:</b>	Solid		
<b>Product Use:</b>	Cosmetic use	<b>Emergency Telephone Number:</b>	1-800-424-9300 (Chemtrec)

### 2 HAZARDS IDENTIFICATION

<b>GHS Classification:</b>	H413 (Category 4): Chronic aquatic toxicity
<b>GHS Signal Word:</b>	<b>WARNING</b>
<b>GHS Label:</b>	H413: May cause long lasting harmful effects to aquatic life
<b>GHS Hazard Pictograms:</b>	

<b>GHS Hazard Statements:</b>	H413: May cause long lasting harmful effects to aquatic life. Precautionary Statement(s):
<b>GHS Precautionary Statements:</b>	P273: Avoid release to the environment. P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

<b>Potential Health Hazards:</b>	Eyes: May cause eye irritation. Inhalation: May cause irritation of the respiratory tract. Skin: May cause skin irritation
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<b>NFPA Ratings (704):</b>	Ingestion: May cause vomiting, nausea, thirst, diarrhea and abdominal pain.
	Health N/A N/A
	Flammability N/A N/A
	Reactivity N/A N/A
	Specific Hazard N/A

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Butyl Methoxydibenzoyl Methane	70356-09-1	100%	Not Available

### 4 FIRST AID MEASURES

<b>Eyes:</b>	Rinse opened eye and flush with sterile water as a precaution, and roll back the eyelids to assist cleaning. Refer to doctor if any pain or soreness of eye.
<b>Inhalation:</b>	Remove to fresh air. Consult doctor immediately if breathing difficulties. Give artificial respiration if not breathing.
<b>Skin:</b>	Generally, the product does not irritate the skin. Wash off any contamination with soap and slightly warm water. Dry gently.
<b>Ingestion:</b>	Immediately rinse mouth with water. Do Not Induce Vomiting! Never give food or water to an unconscious person. Seek medical attention if symptoms develop and persist.
<b>General Information:</b>	Treat symptomatically.

## 5 FIRE-FIGHTING MEASURES

<b>Suitable (and unsuitable) extinguishing media:</b>	May be combustible at high temperatures. Use appropriate media (Dry chemical powder, carbon dioxide, alcohol resistant foam, water spray) for adjacent fire. Do not use high volume water jet.
<b>Special protective equipment &amp; precautions for firefighters:</b>	Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
<b>Flash Points:</b>	> 100° C (212°F)
<b>Specific hazards arising from the chemical:</b>	Development of hazardous combustion products like oxides of carbon or vapors possible in the event of a fire.

## 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment &amp; emergency procedures:</b>	Use personal protective equipment. Basic precautions to avoid skin or eye contact or contamination of clothing. Keep observers and members of public away from the spillage.
<b>Environmental precautions:</b>	Avoid release into sewers/public water/environment. Notify environmental authorities in case of leak. No dangerous fumes or gases are released.
<b>Methods and material for containment and cleaning up:</b>	Clean up dry, avoiding generation of dust. Contain spillages using sand bags or with barrier of inert material such as sand or dry earth. Collect spillage and contaminated absorbents into suitable clean plastic containers. Label clearly for subsequent controlled safe disposal.

## 7 HANDLING & STORAGE

<b>Precautions for safe handling:</b>	Handle with normal care as for all chemicals in accordance with good industrial hygiene and safety practices. The substance is not classified as flammable, explosive, unstable, toxic, corrosive, or irritant. Dust release to be prevented by proper equipment design. Local extract ventilation with efficient dust collection filter to be provided in any place where dust may escape from containment and where the powder is transferred into or out of bulk holding vessels or packs or other equipment. The substance should not be released to drains or water courses or open ground. Handling equipment to be designed to ensure containment and in accordance with assuring good industrial hygiene and safety. Follow safe procedures for loading and unloading of product.
<b>Conditions for safe storage, incl. any incompatibilities:</b>	Keep container tightly closed in dry, naturally ventilated storage area below 40° C and protect from light (keep container out of direct sunlight). Avoid physical damage to containers in storage. Make simple provision to retain any spillages. Other non-hazardous chemicals may be stored in same storage, with normal aisles between the rows. Avoid all cross-contamination with other chemicals. In original sealed condition, when stored as suggested shelf life of the product is at least five years. Store away from incompatible materials (see section 10 for incompatibilities).

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Avobenzone	Not available	Not available	Not available

TWA: Time Weighted Average over 8 hours of work.  
 TLV: Threshold Limit Value over 8 hours of work.  
 REL: Recommended Exposure Limit  
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.  
 IDLH: Immediately Dangerous to Life or Health  
 WEEL: Workplace Environmental Exposure Levels  
 CEIL: Ceiling

### Personal Protection:

<b>Eyes:</b>	Safety glasses with wrap-round shape or with side shields. They should comply with standards such as NIOSH (US) or EN 166 (EU)
<b>Inhalation:</b>	Not required during normal operation. In the event of dust being present use a suitable dust mask with efficient face seal and filter
<b>Body:</b>	Use chemical resistant overalls with anti-static properties. Arrange for the overalls to be washed regularly. Ensure the gloves are impermeable and resistant to the substance. Gloves must meet requirements of EU Directive 89/686/EEC and standard EN 374. Inspect gloves pre-use. Do not contaminate inside gloves. Discard if contaminated
<b>Other:</b>	Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing wash thoroughly before reuse. Shower after work using plenty of soap and water.

Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Crystalline powder with soft agglomerates	<b>Vapor Pressure:</b>	No data available
<b>Odor:</b>	Very slight, characteristic	<b>Vapor Density:</b>	No data available
<b>Odor Threshold:</b>	No data available	<b>Evaporation Rate:</b>	Not applicable
<b>Color:</b>	White to off-white with slight yellow tinge	<b>Flammability (Solid/Gas):</b>	Not flammable
<b>Molecular Weight:</b>		<b>Upper/lower Explosive Limit:</b>	Not applicable
<b>pH:</b>	Not applicable	<b>Flash Point:</b>	> 100°C (212°F)
<b>Boiling Point/Range:</b>	No data available	<b>Specific Gravity:</b>	No data available
<b>Melting Point:</b>	81 - 86°C (177°F - 186°F)	<b>Water Solubility:</b>	0.01 mg/l (calculated)
<b>Relative Density:</b>	0.450 - 0.550 g/ml	<b>Auto-Ignition Temperature:</b>	No data available
<b>Partition Coefficient: n-octanol/water:</b>	No data available	<b>Decomposition Temperature:</b>	No data available

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	This product is stable. Deteriorates in intense sunlight or at high temperatures.
<b>Hazardous Polymerization:</b>	No data available.
<b>Conditions to Avoid:</b>	Avoid excess heat and contamination.
<b>Incompatible Materials:</b>	Strong oxidizing agents or strong acids/alkalis.
<b>Hazardous Decomposition Products:</b>	Carbon monoxide if involved in fire.
<b>Possible Hazardous Reactions:</b>	Not known.

## 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	No data available
<b>Skin:</b>	No data available
<b>Eyes:</b>	No irritation (rabbit)
<b>Respiratory:</b>	No data available
<b>Ingestion:</b>	LD50: > 16,000 mg/kg
<b>Carcinogenicity (IARC):</b>	No component of this product presenting at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed carcinogen to humans
<b>Teratogenicity (Reproductive Animal Experiments):</b>	Non teratogenic
<b>Germ Cell Mutagenicity:</b>	No indication of mutagenic activity
<b>Embryotoxicity:</b>	No data available
<b>Specific Target Organ Toxicity:</b>	No data available
<b>Respiratory/Skin Sensitization:</b>	No sensitization potential (guinea pig)
<b>Skin Corrosion/Irritation:</b>	Slightly irritating (rabbit)
<b>Routes of Exposure:</b>	Oral, dermal and inhalation

## 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	May cause long-lasting harmful effects to aquatic life.
<b>Aquatic Vertebrate:</b>	No data available.
<b>Aquatic Invertebrate:</b>	No data available.
<b>Terrestrial:</b>	No data available.
<b>Persistence and Degradability:</b>	Slightly biodegradable, 6% after 20 days.
<b>Bioaccumulative Potential:</b>	Yes, may be possible in closed ecosystems.
<b>Mobility in Soil:</b>	Expected to be low, due to low water solubility.
<b>PBT and vPvB Assessment:</b>	No data available.
<b>Other Adverse Effects:</b>	No other adverse environmental effects (e.g. ozone depletion, photo chemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

**13 DISPOSAL CONSIDERATIONS**

- Waste Residues:** Dispose of through an officially licensed chemical waste disposal company, with furnace exit temperature above 1100°C (2012°F) and operating in compliance with local and state regulations. The waste to be dissolved in solution in non-halogenated flammable solvent. Never bury in landfill sites.
- Product Containers:** Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

**14 TRANSPORT INFORMATION**

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|--|-----------------------------------|
| <b>DOT (Dept. of Transportation, USA):</b>               | Not regulated as dangerous goods. |
| <b>TDG (Transportation of Dangerous Goods, Canada):</b>  | Not regulated as dangerous goods. |
| <b>IMDG (International Maritime Dangerous Goods):</b>    | Not regulated as dangerous goods. |
| <b>IATA (International Air Transport Association):</b>   | Not regulated as dangerous goods. |
| <b>ICAO (International Civil Aviation Organization):</b> | Not regulated as dangerous goods. |

**15 REGULATORY INFORMATION**

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|-------------------------------|--------------------|
| <b>TSCA Inventory Status:</b> | No data available. |
| <b>DSL (Canada):</b>          | No data available. |
| <b>EU (EINECS):</b>           | No data available. |
| <b>China IECSC:</b>           | No data available. |
| <b>Australia AICS:</b>        | No data available. |
| <b>Taiwan (TCSI)</b>          | No data available. |
| <b>Japan ENCS:</b>            | No data available. |
| <b>Philippines PICCS:</b>     | No data available. |
| <b>Korea ECL:</b>             | No data available. |
| <b>New Zealand:</b>           | No data available. |

**16 OTHER INFORMATION**

- Revision Date:** 28-Feb-2024
- Compliance:** This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
- Disclaimer:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.