

Oxybenzone

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


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Supersedes: 05-02-2015

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Oxybenzone	Distributor: MakingCosmetics.com Inc.
Synonyms: Benzophenone-3, 2-Hydroxy-4-methoxy-benzophenone	Address: 10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name: Benzophenone-3	Phone / Fax: 425-292-9502 / 425-292-9601
CAS Number: 131-57-7	Web: www.makingcosmetics.com
Formula: C ₁₄ H ₁₂ O ₃	Emergency Telephone Number: 1-800-424-9300 (Chemtrec)
Product Form: Powder	
Product Use: Cosmetic use	

2 HAZARDS IDENTIFICATION

GHS Signal Word: **WARNING**

GHS Hazard Pictograms: 

GHS Hazard Statements:
H319: Causes serious eye irritation
H335: May cause respiratory irritation
H400: Very toxic to aquatic life
H411: Toxic to aquatic life with long lasting effects

GHS Precautionary Statements:
P281: Use personal protective equipment as required
P501: Dispose in accordance with local disposal regulation

Potential Health Hazards:
Eyes: May cause irritation, tearing and mild temporary pain.
Inhalation: May cause irritation of the respiratory tract.
Skin: May cause skin irritation
Ingestion: May cause vomiting, nausea, thirst, diarrhea and abdominal pain.

NFPA Ratings (704):

Health	1	Slight
Flammability	1	Slight
Reactivity	0	Minimal

Specific Hazard

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Oxybenzone	131-57-7	100%	228.24 g/mol

4 FIRST AID MEASURES

Eyes: In case of eye contact, rinse with plenty of water and seek medical attention if necessary

Inhalation: Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.

Skin: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention if necessary

Ingestion: Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention if necessary.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Product is not flammable. Use appropriate media for adjacent fire. Cool unopened containers with water.

Special protective equipment & precautions for firefighters: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

Specific hazards arising from the fire: Emits toxic fumes under fire conditions. See also Stability and Reactivity section.

chemical:

6 ACCIDENTAL RELEASE MEASURES

Personal precautions: See section 8 for recommendations on the use of personal protective equipment.
Environmental precautions: Prevent spillage from entering drains. Any release to the environment may be subject to federal/national or local reporting requirements
Methods and material for containment and cleaning up: Pick up and arrange disposal without creating dust. Sweep up and place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations

7 HANDLING & STORAGE

Safe handling: See section 8 for recommendations on the use of personal protective equipment. Use with adequate ventilation. Wash thoroughly after using. Keep container closed when not in use. Avoid formation of dusts.
Safe storage: Store in cool, dry well ventilated area. Keep away from incompatible materials.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limits	Basis	Entity
Oxybenzone	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:

Eyes: Wear chemical safety glasses or goggles.
Inhalation: Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator.
Skin: Wear nitrile or rubber gloves, apron or lab coat.
Other: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Physical State:	Crystalline powder	pH Value:	Not available
Odor:	Characteristic	Vapor Density:	Not applicable
Color:	White to yellowish	Evaporation Rate:	Not applicable
Medium Particle Size:	Not available	Evaporation Rate:	Not available
Molecular Weight:	228.24 g/mol	Specific Gravity:	1.20 g/cm ³
Flash Point:	140.5°C (284.9°F)	Solubility:	Insoluble in water; soluble in organic solvents
Boiling Point:	224°C (435°F)		
Melting Point:	63°C (145.4°F)		

10 STABILITY AND REACTIVITY

Reactivity: Product is stable
Chemical Stability: Product is stable
Possibility of Hazardous Reactions: Will not occur
Conditions to Avoid: Incompatible with bases, acid chlorides, acid anhydrides. Sensitive to light
Hazardous Decomposition Products: Not available

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: LD50 >7,400 mg/kg (oral, rat)
Skin: May cause skin irritation. It is expected to be essentially non-irritating to skin. May cause photoallergic contact dermatitis. It may be absorbed through the skin.
Eyes: May cause eye irritation. It is expected to be essentially non-irritating to eyes.
Inhalation: May cause upper respiratory tract and mucous membrane irritation.
Ingestion: Ingestion of large amounts may cause gastrointestinal tract irritation with nausea, and vomiting.
Chronic Toxicity: Repeated or prolonged ingestion may affect the liver, urinary system, and metabolism (weight loss)

Carcinogenicity:	No data available
Teratogenicity:	No data available
Mutagenicity:	Mutagenic for bacteria and/or yeast.
Sensitizing:	No data available
Specific Target Organ Toxicity:	No data available
Reproductive Toxicity:	May cause adverse reproductive effects. May affect genetic material (mutagenic)

12 ECOLOGICAL INFORMATION

Ecotoxicity:	No data available
Persistence and Degradability:	No data available
Bioaccumulative Potential:	Not available
Mobility in Soil:	Not available
PBT and vPvB Assessment:	Not available

13 DISPOSAL CONSIDERATIONS

Waste Residues: 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.

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 significantly change the characteristics of the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

DOT (Dept. of Transportation, USA):	Not regulated
TDG (Transportation of Dangerous Goods, Canada):	Not regulated
ICAO (International Civil Aviation Organization):	Not regulated

15 REGULATORY INFORMATION

California Proposition 65	Chemicals Known to the State of California to Cause Cancer: The product oxybenzone is not listed as carcinogenic. However, benzophenone is listed as carcinogenic and may occur in trace amounts in oxybenzone.
TSCA Inventory Status:	All ingredients are listed on the TSCA inventory
DSCL (EEC):	This product is not classified according to the EU regulations. S24/25- Avoid contact with skin and eyes
SARA 311/312:	Not listed
SARA 313:	Not listed
U.S. EPA:	Not listed
U.S. TRI:	Not listed

16 OTHER INFORMATION

Revision Date:	12-17-2018
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.