

Bakuchiol

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

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Bakuchiol
Synonyms: 4-[(1E,3S)-3-Ethenyl-3,7-dimethyl-1,6-octadien-1-yl]-phenol
INCI Name: Bakuchiol
CAS Number: 10309-37-2, 7732-18-5
Formula: C₁₈H₂₄O
Product Form: Liquid
Product Use: Cosmetic use

Supplier :
Address:
Mobelbio.,llc
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2 HAZARDS IDENTIFICATION

GHS Classification: Not classified
GHS Labeling: Not a dangerous substance according to GHS
GHS Hazard Pictograms: None
GHS Hazard Statements: Irritating to eyes.
GHS Precautionary Statements: Keep out of the reach of children.
Wear suitable protective clothing and gloves.
IF SWALLOWED: Seek medical advice immediately and show this container or label.
Potential Health Hazards: Eyes: Hazardous in case of eye contact (irritating).
Inhalation: Hazardous in case of inhalation (lung irritant).
Skin: Hazardous in case of skin contact (irritating).
Ingestion: Hazardous in case of ingestion (irritating).
NFPA Ratings (704):

Health	N/A	N/A
Flammability	N/A	N/A
Reactivity	N/A	N/A
Specific Hazard	N/A	

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Bakuchiol	1309-37-2	99.0%	256.38 g/mol
Water	7732-18-5	1%	

4 FIRST AID MEASURES

Eyes: Check for and remove and contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. Allow the victim to rest in a well-ventilated area. Seek immediate medical attention.
Skin: After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reuse.
Serious skin contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.
Ingestion: Do Not Induce Vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt, or waistband. If the victim is not breathing, perform mouth to mouth resuscitation. Seek immediate medical attention.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	May be combustible at high temperature. Slightly flammable in presence of open flames and sparks, of heat. Non-flammable in presence of shocks. Use appropriate media (Small Fire: dry chemical powder. Large Fire: water spray, fog, or foam) for adjacent fire. Do not use direct water jet.
Special protective equipment & precautions for firefighters:	Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
Flash Points:	No data available
Specific hazards arising from the chemical:	Products under combustion are carbon oxides (CO, CO ₂). See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.
Environmental precautions:	Avoid liquid release into sewers/public water. Notify environmental authorities in case of large leaks.
Methods and material for containment and cleaning up:	Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

7 HANDLING & STORAGE

Precautions for safe handling:	Keep locked up. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breath dust. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Wear suitable protective clothing. See section 8 for recommendations on the use of personal protective equipment.
Conditions for safe storage, incl. any incompatibilities:	Keep container tightly closed. Store in cool, well-ventilated area. Keep away from heat and incompatible materials (see section 10 for incompatibilities). Do not store above 24°C (75.2°F)

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Bakuchiol	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:	Splash glasses should be worn.
Inhalation:	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Dust respirator should be used. Be sure to use an approved/certified respirator or equivalent.
Body:	Lab coat should be worn. Protective gloves should be worn.
Other:	In case of large spill: wear splash goggles, full suit, dust respirator, boots, gloves, self-contained breathing apparatus to avoid inhalation. Suggested protective clothing might not be sufficient, consult a specialist BEFORE handling this product. Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Viscous liquid	Vapor Pressure:	No data available
Odor:	No data available	Vapor Density:	No data available
Odor Threshold:	No data available	Evaporation Rate:	No data available
Color:	Light yellow to light red	Flammability:	No data available

Molecular Weight:	256.38 g/mol	Upper/lower Explosive Limit:	No data available
pH:	No data available	Flash Point:	145-147°C
Boiling Point:	No data available	Specific Gravity:	No data available
Melting Point:	No data available	Solubility:	Soluble in Alcohol and DMSO
Relative Density (@20°C at 1013 hPa):	0.96 g/cm ³	Auto-Ignition Temperature:	No data available
Partition Coefficient: n-octanol/water:	No data available	Decomposition Temperature:	No data available
Viscosity:	No data available	Explosive Properties:	No data available
Oxidizing Properties:	No data available	Freezing Point:	No data available

10 STABILITY AND REACTIVITY

Reactivity:	Orange-yellow turmeric will hold shade better than lemon-yellow when exposed directly or indirectly to sunlight.
Chemical Stability:	Product is stable.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	No data available
Incompatible Materials:	Reactive with oxidizing agents.
Hazardous Decomposition Products:	No data available
Corrosivity:	Non-corrosive in the presence of glass.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available
Skin:	Slightly hazardous in case of skin contact (irritant).
Eyes:	No data available
Respiratory:	Slightly hazardous in case of inhalation. Dust may cause respiratory tract irritation.
Ingestion:	Hazardous in case of ingestion. Ingestion in small amounts normal industrial handling is not likely to be harmful. Ingestion of large doses may cause gastrointestinal tract irritation (upset). It is poorly absorbed from the gut.
Carcinogenicity:	No data available
Teratogenicity:	No data available
Germ Cell Mutagenicity:	May affect genetic material (Mutagenic). It produced sister chromatid exchange in bone marrow at 25 mg/kg, induced in micronuclei at 73,600 mcg/L in human embryo, and DNA inhibition in human HeLa cell.
Embryotoxicity:	No data available
Specific Target Organ Toxicity:	No data available
Reproductive Toxicity:	No data available
Respiratory/Skin Sensitization:	No data available
Corrosivity:	No data available
Sensitization:	No data available
Irritation:	No data available
Repeated Dose Toxicity:	No information found other than it lowered serum and liver cholesterol levels, and that it may affect genetic material. The toxicological properties of this substance have not been fully investigated.

12 ECOLOGICAL INFORMATION

Ecotoxicity	
Aquatic Vertebrate:	No data available
Aquatic Invertebrate:	No data available
Terrestrial:	No data available
Persistence and Degradability:	Possibly hazardous short-term degradation products are not likely. However, long-term degradation products may arise.
Bioaccumulative Potential:	No data available
Mobility in Soil:	No data available
PBT and vPvB Assessment:	No data available
Other Adverse Effects:	No data 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 change the characteristics of the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

DOT (Dept. of Transportation, USA):	Not a DOT controlled material.
TDG (Transportation of Dangerous Goods, Canada):	No data available
IMDG (International Maritime Dangerous Goods):	No data available
IATA (International Air Transport Association):	No data available
ICAO (International Civil Aviation Organization):	No data available
Identification:	Safe to transport.

15 REGULATORY INFORMATION

TSCA Inventory Status:	No data available
DSCL (EEC):	No data available
WHMIS (Canada):	No data available
DSL (Canada):	No data available
EU EINECS/ELINCS/NLP:	No data available
China IECSC:	No data available
China IECIC (06.30.2014):	No data available
Australia AICS:	No data available
Japan ENCS:	No data available
Philippines PICCS:	No data available
Korea KECI:	No data available
New Zealand NZIoC:	No data available

16 OTHER INFORMATION

Revision Date: 02-Feb-2025

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.

