

## Bakuchiol

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

Revision Date: 02-Feb-2023  
Supersedes: 04-Feb-2022

### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b>	Bakuchiol	<b>Distributor:</b>	MakingCosmetics Inc.
<b>Synonyms:</b>	4-[(1E,3S)-3-Ethenyl-3,7-dimethyl-1,6-octadien-1-yl]-phenol	<b>Address:</b>	10800 231 <sup>st</sup> Way NE Redmond, WA 98053 (USA)
<b>INCI Name:</b>	Bakuchiol	<b>Phone / Fax:</b>	425-292-9502 / 425-292-9601
<b>CAS Number:</b>	10309-37-2, 7732-18-5	<b>Web:</b>	<a href="http://www.makingcosmetics.com">www.makingcosmetics.com</a>
<b>Formula:</b>	C <sub>18</sub> H <sub>24</sub> O	<b>Emergency Telephone Number:</b>	1-800-424-9300 (Chemtrec)
<b>Product Form:</b>	Liquid		
<b>Product Use:</b>	Cosmetic use		

### 2 HAZARDS IDENTIFICATION

<b>GHS Classification:</b>	Not classified												
<b>GHS Labeling:</b>	Not a dangerous substance according to GHS												
<b>GHS Hazard Pictograms:</b>	None												
<b>GHS Hazard Statements:</b>	Irritating to eyes.												
<b>GHS Precautionary Statements:</b>	Keep out of the reach of children. Wear suitable protective clothing and gloves.												
<b>Potential Health Hazards:</b>	IF SWALLOWED: Seek medical advice immediately and show this container or label. 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).												
<b>NFPA Ratings (704):</b>	<table border="1"> <tr> <td>Health</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Flammability</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Reactivity</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Specific Hazard</td> <td>N/A</td> <td></td> </tr> </table>	Health	N/A	N/A	Flammability	N/A	N/A	Reactivity	N/A	N/A	Specific Hazard	N/A	
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>
Bakuchiol	1309-37-2	99.0%	256.38 g/mol
Water	7732-18-5	1%	

### 4 FIRST AID MEASURES

<b>Eyes:</b>	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.
<b>Inhalation:</b>	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.
<b>Skin:</b>	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.
<b>Ingestion:</b>	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<sub>2</sub>). See also Stability and Reactivity section.

## 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment & emergency procedures:**  
**Environmental precautions:**

Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.  
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

**Component**  
Bakuchiol

**Exposure Limits**  
Not available

**Basis**

**Entity**

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

**Odor:**

No data available

**Odor Threshold:**

No data available

**Color:**

Light yellow to light red

**Vapor Pressure:**

No data available

**Vapor Density:**

No data available

**Evaporation Rate:**

No data available

**Flammability:**

No data available

<b>Molecular Weight:</b>	256.38 g/mol	<b>Upper/lower Explosive Limit:</b>	No data available
<b>pH:</b>	No data available	<b>Flash Point:</b>	145-147°C
<b>Boiling Point:</b>	No data available	<b>Specific Gravity:</b>	No data available
<b>Melting Point:</b>	No data available	<b>Solubility:</b>	Soluble in Alcohol and DMSO
<b>Relative Density (@20°C at 1013 hPa):</b>	0.96 g/cm <sup>3</sup>	<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
<b>Viscosity:</b>	No data available	<b>Explosive Properties:</b>	No data available
<b>Oxidizing Properties:</b>	No data available	<b>Freezing Point:</b>	No data available

## 10 STABILITY AND REACTIVITY

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

## 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	No data available
<b>Skin:</b>	Slightly hazardous in case of skin contact (irritant).
<b>Eyes:</b>	No data available
<b>Respiratory:</b>	Slightly hazardous in case of inhalation. Dust may cause respiratory tract irritation.
<b>Ingestion:</b>	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.
<b>Carcinogenicity:</b>	No data available
<b>Teratogenicity:</b>	No data available
<b>Germ Cell Mutagenicity:</b>	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.
<b>Embryotoxicity:</b>	No data available
<b>Specific Target Organ Toxicity:</b>	No data available
<b>Reproductive Toxicity:</b>	No data available
<b>Respiratory/Skin Sensitization:</b>	No data available
<b>Corrosivity:</b>	No data available
<b>Sensitization:</b>	No data available
<b>Irritation:</b>	No data available
<b>Repeated Dose Toxicity:</b>	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

<b>Ecotoxicity</b>	
<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>	Possibly hazardous short-term degradation products are not likely. However, long-term degradation products may arise.
<b>Bioaccumulative Potential:</b>	No data available
<b>Mobility in Soil:</b>	No data available
<b>PBT and vPvB Assessment:</b>	No data available
<b>Other Adverse Effects:</b>	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

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

#### 15 REGULATORY INFORMATION

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

#### 16 OTHER INFORMATION

**Revision Date:** 02-Feb-2023

**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.