



SDS (Safety Data Sheet)

Bakuchiol

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

Revision Date: 18-Nov-2024
Supersedes: 01-Jan-2024

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Bakuchiol	Jiangsu Khonor Chemicals Co., Limited
Synonyms:	No data available	
INCI Name:	Bakuchiol, Water	Rm 1902 Easey Comm Bldg, 253-261, Hennessy RD Wanchai HK
CAS Number:	10309-37-2, 7732-18-5	carlos@khonorchem.com ; vivian@khonorchem.com
Formula:	C ₁₈ H ₂₄ O	
Product Form:	Liquid	http://www.khonorchem.com
Product Use:	Cosmetic use	+86 19851821350

2 HAZARDS IDENTIFICATION

GHS Classification:	Not classified.												
GHS Labeling:	Not a dangerous substance according to GHS.												
GHS Hazard Pictograms:	None.												
GHS Hazard Statements:	None.												
GHS Precautionary Statements:	None.												
Potential Health Hazards:	Eyes: Not expected to be an irritant. Inhalation: May be an irritant. Skin: Not expected to be an irritant. Ingestion: May cause nausea, vomiting, or diarrhea.												
NFPA Ratings (704):	<table><tbody><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></tbody></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	10309-37-2	Not Available	Not Available
Water	7732-18-5	Not Available	Not Available

4 FIRST AID MEASURES

Eyes:	Check for and remove any contact lenses. In case of contact, immediately flush out eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
Inhalation:	If inhaled, move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Skin:	Due to its use in cosmetics, no adverse effects are expected.
Ingestion:	Do Not Induce Vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt, or waistband.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	May be combustible at high temperatures. Use appropriate media (water spray, alcohol-resistant foam, dry chemical, carbon dioxide) for surrounding environment and adjacent fire. No unsuitable extinguish media listed.
Special protective equipment & precautions for firefighters:	Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots.
Flash Points:	No data available.

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Specific hazards arising from the chemical: Hazardous combustion products include carbon oxides. See also Stability and reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures: Avoid breathing vapors, mist, or gas. 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/environment. Notify environmental authorities in case of leak.

Methods and material for containment and cleaning up: Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable closed containers for disposal. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling: Keep away from heat and sources of ignition. Empty containers pose a fire risk; evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.

Conditions for safe storage, incl. any incompatibilities: Store in original sealed container. Avoid exposure to light and heat. Store in a cool place. Keep container tightly closed. Bakuchiol is photochemically and hydrolytically stable. Storage temperature should be between 50-86°F (10°C-30°C). Suitable packing materials include tightly sealed Aluminum/SS Containers. 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>
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: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Inhalation: When risk assessment shows air-purifying respirators are appropriate, use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Body: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Other: 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	Assay by HPLC:	≤99.0%
Color:	Light yellow to light red	Flammability:	No data available
Molecular Weight:	No data available	Upper/lower Explosive Limit:	No data available
pH:	No data available	Flash Point:	No data available
Boiling Point/Range:	145°C - 147°C	Specific Gravity:	No data available
Melting/Freezing Point:	No data available	Solubility:	Soluble in alcohol and DMSO

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Relative Density at 20°C:	0.96 g/cm ³ at 1013 hPa	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	Moisture by KF:	≤1.0%

10 STABILITY AND REACTIVITY

Reactivity:	No data available.
Chemical Stability:	Stable under recommended storage conditions.
Hazardous Polymerization:	No data available.
Conditions to Avoid:	High temperature, high humidity.
Incompatible Materials:	Incompatible with strong acids, alkalis, and oxidizing agents.
Hazardous Decomposition Products:	None (Biodegradable).
Possible Hazardous Reactions:	No data available.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	To the best of our knowledge, the chemical physical, and toxicological properties have not been thoroughly investigated.
Skin:	No skin irritation.
Eyes:	Patch test on human volunteers did not demonstrate sensitization properties.
Inhalation:	No data available.
Ingestion:	(Rat) Acute Oral Toxicity; LD50: 2560.0 mg/kg. (Mouse) LD50 Intraperitoneal: 94 mg/kg. (Mouse) LD50 Intravenous: 31 mg/kg.
Carcinogenicity:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.
Teratogenicity:	No data available.
Germ Cell Mutagenicity:	Human Lymphocytes - Result: Negative. <i>S. typhimurium</i> - Result: Negative.
Embryotoxicity:	No data available.
Specific Target Organ Toxicity:	No data available.
Reproductive Toxicity:	No data available.
Skin Corrosion/Irritation:	(Human) Result: No skin irritation; Method: Patch Test, 24 hours.

12 ECOLOGICAL INFORMATION

Ecotoxicity:	None.
Aquatic Vertebrate:	No data available.
Aquatic Invertebrate:	No data available.
Terrestrial:	No data available.
Persistence and Degradability:	Biodegradable.
Bioaccumulative Potential:	None.
Mobility in Soil:	Free.
PBT and vPvB Assessment:	This substance/mixture contains no components considered to be persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Other Adverse Effects:	No data available.

13 DISPOSAL CONSIDERATIONS

Waste Residues:	Offer surplus and non-recyclable solutions to a licensed disposal company. 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.
Product Containers:	Dispose of as unused product, 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.

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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):	Not dangerous goods. Not listed as a marine pollutant.
IATA (International Air Transport Association):	Not dangerous goods. Not listed as an environmental hazard.
ICAO (International Civil Aviation Organization):	No data available.
ADR/RID (Road and Rail Transportation):	Not dangerous goods. Not listed as an environmental hazard.

15 REGULATORY INFORMATION

TSCA Inventory Status:	No data available.
Canada (DSL):	No data available.
EU (EINECS):	No data available.
China (IECSC):	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:	18-Nov-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.