



Material Safety Data Sheet

Bakuchiol (99%)

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Bakuchiol (99%)

Contact Info: Cedar Trends & Innovation, #401 – Gayatri Enclave, Friends Colony, Katol Road
Nagpur – 40013 Maharashtra - INDIA

Section 2: COMPOSITION AND INFORMATION ON INGREDIENTS

Name	CAS Number	% by weight
Bakuchiol	10309-37-2	99.0%
Water	7732-18-5	1.0%

Synonyms : 4-[(1E,3S)-3-Ethenyl-3,7-dimethyl-1,6-octadien-1-yl]-phenol
Formula : C₁₈H₂₄O

Molecular weight: 256.38 g/mol

No components need to be disclosed according to the applicable regulations.

Toxicological Data on Ingredients: There are no known hazardous substances containing in this product.

For Cosmetic Application:

No skin irritation & No skin sensitization (HRIPT) at 2 and 5% dilution in corn oil
No eye irritation (In-vitro; alternate to Draize methodology)

Non-genotoxic in the in-vitro micronucleus assay in human lymphocytes

Non-mutagenic based on TA98 in Salmonella typhimurium Reverse Mutation Assay

Passes aquatic toxicity tests (short-term, Zebra fish & Daphnia magna); Fresh water single cell green alga & biodegradability

Section 3: HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.



LABEL ELEMENTS

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

OTHER HAZARDS

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.

Section 4: FIRST AID MEASURES

GENERAL ADVICE:

Consult a physician. Show this safety data sheet to the doctor in attendance.

IN CASE OF EYE CONTACT:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

IN CASE OF SKIN CONTACT:

Due to its use in cosmetics, no adverse effects are expected

IN CASE OF SERIOUS SKIN CONTACT:

Wash off with soap and plenty of water. Consult a physician.

IN CASE OF INHALATION:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

IN CASE OF 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.

Section 5: FIRE AND EXPLOSION DATA

Extinguishing procedures : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Protective Equipment : Wear self-contained breathing equipment and Protective suit.

Hazardous Products of Combustion: Carbon oxides

Special Firefighting procedures: No data available



Section 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use personal protective equipment. Avoid breathing vapours, mist or gas. For personal protection see section 8.

ENVIRONMENTAL PRECAUTIONS

Do not let product enter drains.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

REFERENCE TO OTHER SECTIONS

For disposal see section 13.

Section 7: HANDLING AND STORAGE

PRECAUTIONS

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 breathe dust.

STORAGE

Store in original sealed container at +10 to +30°C; Avoid exposure to light & heat Store in cool place. Keep container tightly closed. Bakuchiol is Photo chemically & hydrolytically stable

HANDLING

No restrictions

Suitable packing material

Aluminum/SS Containers, tightly sealed container

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS

APPROPRIATE ENGINEERING CONTROLS

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.



PERSONAL PROTECTIVE

EQUIPMENT EYE/FACE PROTECTION

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

SKIN PROTECTION

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. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

BODY PROTECTION

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

RESPIRATORY PROTECTION

Where risk assessment shows air-purifying respirators are appropriate use a full face respirator with multi-purpose 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).

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Light Yellow to Light red color viscous liquid

Moisture by KF : NMT 1.0%

Solubility : Soluble in Alcohol

and DMSO Initial boiling point and boiling range: 145 -
147 °C

Relative density : 0.96 g/cm³ at 20 °C at 1013 hPa

Flash point : No data available

Assay by HPLC : NLT 99.0%

Further information refers COA.

Section 10: STABILITY AND REACTIVITY DATA

Conditions to avoid: High temperature & high humidity.

Incompatibility: Incompatible with strong acids, alkalis and oxidizing agents

Hazardous decomposition : None (Biodegradable)

Chemical Stability: Stable under recommended storage conditions

Section 11: TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS ACUTE TOXICITY

LD50 Oral - Rat - 2.560,0 mg/kg

LD50 Intraperitoneal - Mouse -

94 mg/kg LD50 Intravenous -

Mouse - 31 mg/kg

SKIN CORROSION/IRRITATION

Skin - Human

Result: No skin irritation

(Patch Test 24 Hrs. on humans: No detectable irritation.)

SERIOUS EYE DAMAGE/EYE IRRITATION

Respiratory or skin sensitisation

Patch test on human volunteers did not demonstrate sensitisation properties.

GERM CELL MUTAGENICITY

No data
available

Human
lymphocytes

Result:
negative

S.
typhimurium

Result:
negative



CARCINOGENICITY

IARC: 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. **REPRODUCTIVE TOXICITY**

No data available

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE

No data available.

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE

No data available

ASPIRATION HAZARD

No data available

ADDITIONAL INFORMATION RTECS:

SL3785000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

Section 12: ECOLOGICAL INFORMATION

Mobility : Free

Persistence/Degradability: Bio-degradable

Bio-accumulation: none

Eco-toxicity : none

RESULTS OF 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.

Section 13: DISPOSAL CONSIDERATIONS

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

WASTE TREATMENT METHODS PRODUCT

Offer surplus and non-recyclable solutions to a licensed disposal company.

CONTAMINATED PACKAGING

Dispose of as unused product.



Section 14: TRANSPORT INFORMATION

DOT CLASSIFICATION: Not a DOT controlled material (United States).

UN PROPER SHIPPING NAME

ADR/RID: Not
dangerous goods
IMDG:
Not dangerous goods
IATA: Not dangerous
goods

Special Provisions for Transport: By Road/Air/Sea.

ENVIRONMENTAL HAZARDS

ADR/RID: No IMDG Marine pollutant: No IATA: No

Section 15: OTHER REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. **Specific International regulation:** Complies with Natural Pharmaceutical Regulations. **Hazard symbols:** Not applicable.

CHEMICAL SAFETY ASSESSMENT

For this product a chemical safety assessment was not carried out

Section 16: OTHER INFORMATION

References: Not available.

Other Special Considerations: Not available.

Last Updated On: 20-01-24

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Cedar Trends & Innovation shall not be held liable for any Damage resulting from handling or from contact with the above the product.