



Kumar Organic Products Limited

Bakuchiol (Chiba)

1. Product and Company Identification.

Chemical Name	: Phenol, 4-[(1E, 3S)-3-ethenyl-3, 7-dimethyl-1, 6-octadienyl]
Trade Name	: CHIBA
Products Code	: BK020.1
Chemical Family	: Chemical family
INCI Name	: Bakuchiol
Manufacturer Name	: Kumar Organic Products Limited
	Plot No#36, Road No#3, Jigani Industrial Area, Anekal Taluk, Bangalore, Karnataka, India
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	Email: sales@kumarorganic.net

2. Composition / Information on Ingredients

Chemical name/generic	: Phenol, 4-[(1E, 3S)-3-ethenyl-3, 7-dimethyl-1, 6-octadienyl]
Formula	: C ₁₈ H ₂₄ O
Molecular Weight	: 256.4
CAS No.	: 10309-37-2

3. Hazards Identification.

Emergency Overview	: May Cause Respiratory Tract, Eye and Skin Irritation
Likely Routes of Exposure	: Absorbed through skin, Eye contact, Inhalation, Ingestion (not anticipated)
Potential Acute Health Effects	
Eyes	: May cause eye irritation
Skin	: May cause skin irritation
Inhalation	: May cause respiratory tract irritation

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Ingestion : Not an intended route of exposure. This material is a natural and considered essentially non-toxic, but may cause gastrointestinal upset or diarrhea in large quantities.

Potential Chronic Health Effects

Carcinogenic effect : This material is not known to cause cancer in animals or humans

4. First Aid Measures.

Eye Contact : In case of contact, immediately flush eyes with plenty of water. If symptoms persist, seek medical attention.

Skin contact : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing.

Inhalation : If inhaled, remove to fresh air. If needed, get medical attention.

Ingestion : If potentially dangerous quantities of this material have been swallowed, call a physician

5. Fire Fighting Measures.

Flammability of the Product : Not available

Auto-ignition Temperature : Not available

Flash Points : Not available

Flammable Limits : Not available

Products of Combustion : Not available

Fire Hazards in Presence of Various

Substances : Not available

Explosion Hazards in Presence of

Various Substances : Risks of explosion of the product in presence of static discharge: No
Risks of explosion of the product in presence of mechanical impact: No

Fire Fighting Media : In case of fire, use water spray (fog), foam, dry chemical, or CO₂ and Instructions

Protective Clothing (Fire) : Wear self-contained breathing apparatus and full protective clothing

Special Remarks on Fire hazards : Irritating or toxic gases, fumes, smoke, or particulates may form upon fire

Special Remarks on Explosion Hazards : Not available

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6. Accidental Release Measures.

Small Spill and Leak	: Use a tool to scoop up solid or absorbed material and place into appropriate labeled waste container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill and Leak	: Use appropriate tools to put the spilled material into a labeled waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Check TLV- section 8 of MSDS.
Spill Kit Information	: No specific spill kit required for the product

7. Handling & Storage.

Handling	: Avoid contact with eyes, skin, and clothing. Avoid breathing vapors, spray or mists. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.
Storage	: Store tightly closed, in original containers at 15 to 25 °C. Avoid light and heat.

8. Exposure Control & Personal Protection.

Engineering Controls	: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.
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Personal Protection

Eyes	: Splash goggles
Body	: Lab coat
Respiratory	: Wear appropriate respirator when ventilation is inadequate. Ensure and MSHA/NIOSH-approved respirator or equivalent is used.
Hands	: Gloves
Feet	: Not applicable

Personal Protection in

case of a large spill	: Splash goggles. Synthetic apron. Nitrile gloves. Wear self- contained breathing apparatus or equivalent and full protective gear.
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9. Physical & Chemical Properties.

Appearance	: Yellow viscous oily liquid.
Color	: Yellow
Odor	: Weak, characteristic
Molecular weight	: 256.18
Molecular formula	: C ₁₈ H ₂₄ O
pH	: Not applicable
Boiling point	: ~135 C / 0.2 mm
Melting/Freezing Point	: Not available
Specific Gravity	: Not available
Vapor Pressure	: Not available
Vapor Density	: Not available
Odor Threshold	: Not available
Evaporation rate	: Not available
LogK _{ow} ::	: Not available
Solubility	: <u>In-soluble in water</u>

10. Stability & Reactivity.

Stability & Reactivity	: Product is stable
Hazardous Polymerization	: Not available
Hazardous decomposition products	: May form Carbon dioxide, Carbon monoxide
Condition to avoid	: Thermal decomposition

11. Toxicological Data.

Acute Toxicity Oral LD ₅₀ (rat)	: > 4,000 mg / kg; No mortality at 4,000 mg/kg dose.
Sub Acute Oral Toxicity in Rabbits	: No adverse effect observed.
Skin Irritation (Draize test in Rabbit)	: Not a skin irritant
Eye Irritation (Draize test in Rabbit)	: Not an eye irritant
Skin Sensitization Test (Buehler Test) in Guinea Pigs as per OECD	: No skin sensitization. No skin irritation

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Human Repeat Insult Patch Test (HRIPT): No skin sensitization. No skin irritation at 2 & 5% levels in corn oil (>200 subjects) Aquatic Toxicity (Fish toxicity in Zebra Non toxic to fish fish as per OECD)

12. Ecological Data.

Ecotoxicity :Not available
Toxicity of the products of Degradation : The product itself and its products of degradation are non- toxic

13. Disposal Considerations.

EPA Waste Number :Non-hazardous chemical waste
Waste Treatment :Dispose of according to all federal, state and local regulations

14. Transport Information.

Harmless natural organic compound

15. Regulatory Information.

Cosmetic Ingredient. Not regulated.

16. Other Information.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

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