

UNiGEN

SAFETY DATA SHEET

Section 1 – Identification of the substance or mixture and of the company

1.1. Product Identifier

Product name: Bakutrol®

Product code: UP256

Product description: Extract of *Psoralea corylifolia* seeds

1.2. Relevant identified uses of the substance or mixture and uses advised against

Concentrated antioxidant for manufacturing purpose only

Not for personal use in this form and concentration

1.3. Details of the supplier of the safety data sheet

Unigen Inc.

2121 S. State Street Suite 400

Tacoma, WA 98405, USA

Tel: 253.274.7160

Email: sds@unigen.net

1.4. Emergency telephone number

253.274.7160; 8:00 AM to 5 PM PT

Section 2 – Hazards identification

2.1. Classification of the substance or mixture

Health hazards

Not a hazardous substance or mixture

2.2. Label elements

Not a hazardous substance or mixture

Section 3 – Composition/information on ingredients

3.1. Description of the substance or mixture

Extract of *Psoralea corylifolia* seeds containing Bakuchiol C₁₈H₂₄O

Component	CAS#
Bakuchiol	10309-37-2

Section 4 - First aid measure

4.1. Description of the first aid measures

General advice

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

In case of skin contact:

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

In case of eye contact:

Flush eyes with water and consult a physician

If swallowed:

Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Consult a physician

If inhaled:

If inhaled, move the person to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention

4.2. Most important symptoms and effects, both acute and delayed

See Section 2.2 and/or Section 11

4.3. Indication of any immediate medical attention and special treatment needed

No data available

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Section 5 - Firefighting measures

5.1. Extinguishing media

Recommended extinguishers:

Water spray, alcohol-resistant foam, dry chemical, or carbon dioxide

5.2. Special hazards arising from the substance or mixture

Carbon oxides

5.3. Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary

5.4. Additional information:

No data available

Section 6 - Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective gear. Avoid contact with skin and eyes. Avoid breath vapors, mist or gas. For personal protection, see Section 8

6.2. Environmental hazards

Do not let product enter drains.

6.3. Method 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

6.4. Reference to other sections

For disposal see Section 13

Section 7 - Handling and storage

7.1. Precautions for safe handling

For precautions see Section 2.2

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage

Incompatible materials:

None known

Section 8 - Exposure controls / personal protection

8.1. Control parameters

Material with occupational exposure standards:

Contains no substance with occupational exposure limit values

8.2. Exposure control

Precautionary measures:

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

Protection for respiratory tract:

Where risk assessment shows air-purifying respirators are appropriate, use a full face respirator with multi-purpose combination (US) or type ABEK (EN14387) respirator cartridges as a back to engineering controls.

Protection for hands:

Avoid contact. Use chemical resistant gloves

Protection for eyes:

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Avoid contact. Wear safety glasses and face shield

Protection for skin:

Avoid contact. Use suitable protective suit

Section 9 – Physical Properties

Appearance	Brown red viscous liquid, oil
Odor	Mild, characteristic
Odor threshold	Not available
pH	Not available
Melting point/freezing point	Not determined
Boiling point:	Not determined
Flash point:	188° C
Evaporation Rate:	Not available
Vapour pressure:	Not determined
Vapour density:	Not available
Relative density:	Not determined
Solubility in water:	Not available
Partition coefficient:	Not determined
Autoignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available
Explosive properties:	Not applicable
Oxidising properties:	Not available

Section 10 – Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

Stable at normal conditions

10.3. Possibility of hazardous reaction

No data available

10.4. Conditions to avoid

Extreme temperatures and direct sunlight

10.5. Incompatible material

Strong oxidizing or reducing agents

10.6. Hazardous decomposition products

Other decomposition products: No data available

In the event of fire: see Section 5

Section 11 - Toxicology information

The toxicological effects of this product have not been thoroughly studied.

11.1. Information on toxicological effects:

Bakuchiol: Oral LC50: 2560 mg/kg (rat)

11.2. Carcinogenicity

Not listed as known or suspected carcinogen

11.3. Skin irritation:

No Irritant (Human Repeat Insult Patch Test, Changer Scarification test)

11.4. Eye irritation:

No Irritant (Epiocular Test)

11.5. Mutagenicity:

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In vitro mutagenicity studies negative (AMES test)

11.6. Photoallergy:

No photoallergenic (Photoallergy Evaluation on Human Subjects)

Section 12 - Ecological Information

12.1. Ecotoxicity

No data available.

12.2. Persistence and degradability:

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil:

Not data available

12.5. Results of PBT and vPvB assessment

Not data available

12.6. Other adverse effects

Not data available

Section 13 - Disposal considerations

13.1. Dispose instructions

Dispose of contents/ container in accordance with local/ national/ international regulations.
Contact a licensed professional waste disposal service to dispose of this material

13.1. Waste treatment methods

The product should be disposed of in accordance with local regulations. Avoid depositing into drainage systems and into environment. The soiled packaging should be disposed of in the same way as the product

Section 14 - Transport information

14.1. Transport hazard class

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.2. Environmental hazard

Not listed

14.3. Packing group

Not listed

14.4. Transport in bulk

Not listed

Section 15 - Regulatory information

15.1. General information:

For classification and labeling information see Section 2.

15.2. Chemical safety assessment:

No chemical safety assessment has been carried out for this substance.

15.3. Right to know

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TSCA

Not listed

California Prop. 65

Does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive defects:

Section 16 - Other information

16.1. Full list of hazard and precautionary phrases

P264	Wash hands thoroughly after handling
P273	Avoid release to the environment
P280	Wear protective gloves/protective cloth/eye protection/face protection
P302+P352	IF ON SKIN: Wash with plenty of soap and water
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult a physician
P332+P313	If skin irritation occurs, get medical advice/attention
P362+P364	Take off contaminated clothing and wash it before reuse
P391	Collect spillage

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This "Safety Data Sheet" replaces all previous ones.
