



IRIS NATURALS
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Material Safety Data Sheet for Bee Propolis Dry Extract Propolis

1. Identification of the substance/ preparation

Product name: Bee Propolis Dry Extract at 40%

Use of the substance/ preparation: Cosmetic raw material and food ingredient.

Shelf life: 2 years in unopened containers!

ORAC value: 1,910 umol TE/g

Manufacturing process: cool extraction under agitation. Spray Dryer.

2. Composition / Ingredients

Scientific name: Propolis.

Used part: Bee.

Extraction: solvent. Purified water and alcohol.

Excipient: modified starch.

Preservatives: none.

CAS No.: not available.

3. Hazard Identification

No hazardous product as specified in Directive 67/548/EEC.

4. First Aid Measures

Eye contact: Check for and remove any contact lenses. Rinse out with water.

Skin Contact: No known effect on skin contact, wash with water.

Inhalation: Fresh air.

Swallowing (large amounts): consult doctor if feeling unwell

5. Fire-fighting measures

Suitable extinguishing media: In adaptation to material store in the immediate neighborhood.

Flammability of the product: May be combustible at high temperature.

Auto-ignition temperature: N/A

Flash point: N/A

Flammable limits: N/A

Products of combustion: N/A

Fire hazards in presence of various substances: N/A

Explosion Hazard in Presence of various substances: N/A

Risks of explosion of the product in presence of mechanical impact: N/A

Risks of explosion of the product in the presence of static discharge: N/A

Fire fighting media and instructions: N/A

Small fire: Use Dry Chemical Powder

Large fire: Use water spray, fog or foam. Do not use water jet.

Special remarks on fire hazards: N/A

Special remarks on explosion hazard: N/A

6. Accidental Release Measures

Person-related precautionary measures: Avoid generation of dusts; do not inhale dusts.

Procedure for cleaning/absorption: Take up dry. Forward for disposal. Clean up affected area.

Avoid generation of dusts.

7. Handling and Storage; Handling. No further requirements.

Storage: Tightly closed. Dry storage temperature.

Keep in a cool, well-ventilated place, away from condition of heat or cold.

8. Exposure Controls/ Personal Protection

Use personal protective equipment. Protective clothing should be selected specifically for the working place, depending on concentration and quantity of hazardous substance handled.

Respiration protection: required when dusts are generated. Eye protection: Splash goggles.

Hand Protection: Gloves. The protective gloves to be used must comply with the specification of

EC directive 89/686/EEC

Industrial hygiene: wash hand after working with substance.

9. Physical and Chemical Properties

Physical state and appearance	Thin powder
Odor	Characteristic
Taste	Bitter and slightly spicy
Molecular weight	Not available
Color	Yellow to brown
pH (1% sol/water)	3.8-4.6
Boiling point	Not available
Melting point	Not available
Critical temperature	Not available
Specific gravity	Not available
Vapor pressure	Not available
Vapor density	Not available
Volatility	Not available
Ignition temperature	Not available
Flash point	Not available
Explosion limits	Not available

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10. Stability and Reactivity Data

Stability: The products is stable!

Instability temperature	Not available
Conditions of instability	Not available
Conditions to be avoided	Strong heating (decomposition)
Incompability with various substances	Not available
Corrosivity	Not available
Special remarks on reactivity	Not available
Special remarks on corrosivity	Not available

11. Toxicological Information

Acute toxicity: quantitative data on the toxicity of these products is not available.

Further toxicological information: Possible effects after skin contact: Slightly irritations.

Other Notes: Inhalations of the dusts should be avoided as even inert dusts may impair respiratory Organ functions. No toxic effects are to be expected when the product is handled appropriately.

Further data: naturally occurring substance.

Toxicity to animals: considered relatively non-toxic by BURDOCK (1997).

LD50: not available

LC50: not available.

Chronic effects on humans: not available.

Other toxic effect on humans: not available.

Special toxic effects on Humans: not available.

Special Remarks on Chronic effects on humans: not available.

Special remark on other toxic effects on humans: not available.

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12. Ecological information:

Ecotoxicity: not available.

BOD5 and COD: not available.

Biologic degradation: readily biodegradable.

No ecological problems are to be expected when the product is handled and used with due care and attention.

13. Disposal Consideration

Product and packaging must be disposed of in compliance with country-specific regulations.

14. Transport Information

Not subject to transport regulation.

15. Other regulatory information

Labeling according to EC Directives.

Symbol: ---

R-phrases: ---

S-phrases: ---

16. Other information

References: BURDOCK GA. Review of the biological properties and toxicity of Bee Propolis (Propolis). Food and chemical toxicology, v. 36,p. 347-363, 1997.

Other special considerations: not available.