



## **MATERIAL SAFETY DATA SHEET (MSDS)**

According to UN GHS (Latest Edition)

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CARYOPHYLLENE BETA (NATURAL)

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### SECTION 1: IDENTIFICATION

Product Name: Caryophyllene Beta (Natural)

CAS Number: 87-44-5

Recommended Use:

Fragrance ingredient (industrial / professional use)

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Supplier:

AROMOLOGY

G05 Alghazal Building

Nadd Al Hamar

Dubai, United Arab Emirates

Email: [info@aromology.com](mailto:info@aromology.com)

Website: [www.aromology.com](http://www.aromology.com)

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### SECTION 2: HAZARD IDENTIFICATION

GHS Classification

- Aspiration Hazard – Category 1
- Skin Sensitisation – Category 1

Signal Word:

**DANGER**

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Hazard Statements

- H304 – May be fatal if swallowed and enters airways



- H317 – May cause an allergic skin reaction
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## Precautionary Statements

### Prevention

- Avoid breathing vapours
- Contaminated clothing should not leave workplace
- Wear protective gloves / eye protection

### Response

- IF SWALLOWED: Immediately call POISON CENTER
- Do NOT induce vomiting
- IF ON SKIN: Wash with soap and water
- If skin irritation occurs: Seek medical advice
- Remove contaminated clothing before reuse

### Storage & Disposal

- Store locked up
  - Dispose according to local regulations
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## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance	CAS	Concentration
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Beta-Caryophyllene	87-44-5	100%
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## SECTION 4: FIRST AID MEASURES

### Inhalation:

Remove to fresh air and keep at rest. Seek medical attention.

### Eye Contact:

Flush with water for at least 15 minutes. Seek medical attention if irritation persists.



Skin Contact:

Wash thoroughly with soap and water.

Ingestion:

Immediately call poison center. Do NOT induce vomiting.

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Key Symptoms

- Aspiration hazard
  - Allergic skin reaction
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## SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media:

CO<sub>2</sub>, dry chemical, foam

Hazards:

Combustion may release carbon monoxide and organic compounds

Protection:

Use self-contained breathing apparatus

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

- Avoid inhalation and contact
  - Eliminate ignition sources
  - Absorb with inert material (sand, powder)
  - Prevent environmental contamination
  - Dispose according to regulations
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## SECTION 7: HANDLING AND STORAGE

Handling:

Use PPE and good industrial hygiene practices. Avoid inhalation and contact.



Storage:

Store in a cool, well-ventilated place.

Keep container tightly closed.

Keep away from heat, sparks, and open flames.

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## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

Not established

PPE:

- Safety glasses
- Protective gloves
- Protective clothing

Respiratory Protection:

Use if ventilation insufficient

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Physical State	Liquid
Flash Point	>93.3 °C

Explosion Hazard Not expected

(Data from physical properties section)

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## SECTION 10: STABILITY AND REACTIVITY

- Stable under normal conditions
- Avoid extreme heat
- Avoid strong acids, alkalis, and oxidising agents



- No hazardous reactions expected
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#### SECTION 11: TOXICOLOGICAL INFORMATION

- Not acutely toxic under normal conditions
  - Skin sensitisation: Category 1
  - Aspiration hazard: Category 1
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#### SECTION 12: ECOLOGICAL INFORMATION

- No detailed data available
  - Avoid release into environment
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#### SECTION 13: DISPOSAL CONSIDERATIONS

Dispose according to local regulations.  
Do not release into drainage systems.

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#### SECTION 14: TRANSPORT INFORMATION

Mode	Status
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ADR / IMDG / IATA Not classified

✓ Not regulated for transport

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#### SECTION 15: REGULATORY INFORMATION

No additional regulatory information specified.

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#### SECTION 16: OTHER INFORMATION

This MSDS is adapted from supplier documentation and is believed to be accurate at the time of preparation.