



SAFETY DATA SHEET (SDS)

In accordance with the Globally Harmonized System (GHS)

SECTION 1. Identification

1.1 Product Identifier

Product Name: Dimethyl Benzyl Carbinyl Acetate

Chemical Name: α,α -Dimethylphenethyl Acetate

Synonyms: DMBCA; 2-Methyl-1-phenylpropan-2-yl acetate

INCI Name: Dimethyl Benzyl Carbinyl Acetate

CAS Number: 151-05-3

EC Number: 205-781-3

FEMA Number: 2393

Chemical Formula: $C_{12}H_{16}O_2$

Molecular Weight: 192.25 g/mol

1.2 Relevant Identified Uses

Raw material for:

- Fine Fragrance
 - Cosmetics
 - Personal Care Products
 - Soap & Detergent Fragrances
 - Household Fragrance Products
 - Candles
 - Home Fragrance
-

1.3 Supplier

Aromology Trading LLC

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SECTION 2. Hazard Identification

GHS Classification

Skin Irritation Category 2
Eye Irritation Category 2A
Skin Sensitisation Category 1
Aquatic Chronic Category 2

Signal Word

Warning

Hazard Statements

H315 – Causes skin irritation.
H317 – May cause an allergic skin reaction.
H319 – Causes serious eye irritation.
H411 – Toxic to aquatic life with long lasting effects.

Precautionary Statements

P261 Avoid breathing vapours.
P264 Wash thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves and eye protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical advice.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
P337+P313 If eye irritation persists: Get medical advice.
P391 Collect spillage.
P501 Dispose of contents/container according to local regulations.

SECTION 3. Composition / Information on Ingredients

Component	Information
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Component	Information
Chemical Name	α,α -Dimethylphenethyl Acetate
Common Name	Dimethyl Benzyl Carbinyl Acetate
CAS Number	151-05-3
EC Number	205-781-3
Purity	Typically $\geq 98\%$

SECTION 4. First Aid Measures

Inhalation

Move exposed person to fresh air.
Seek medical attention if symptoms occur.

Skin Contact

Wash thoroughly with soap and water.
Remove contaminated clothing.
Seek medical advice if irritation develops.

Eye Contact

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

Ingestion

Rinse mouth.
Do not induce vomiting.
Seek medical advice.

SECTION 5. Fire Fighting Measures

Suitable Extinguishing Media

- Dry Chemical Powder
- Carbon Dioxide
- Alcohol Resistant Foam
- Water Spray

Unsuitable Media



High pressure water jet.

Hazardous Combustion Products

Carbon monoxide

Carbon dioxide

Irritating organic fumes

Protective Equipment

Self-contained breathing apparatus.

SECTION 6. Accidental Release Measures

Avoid contact with skin and eyes.

Prevent entry into drains.

Absorb using inert absorbent.

Collect into suitable containers.

Dispose according to regulations.

SECTION 7. Handling and Storage

Handling

Avoid prolonged exposure.

Avoid breathing vapours.

Use adequate ventilation.

Observe good industrial hygiene.

Storage

Store below 25 °C.

Protect from sunlight.

Keep tightly closed.

Store away from oxidising agents.

SECTION 8. Exposure Controls / Personal Protection

Engineering Controls



General ventilation.

Eye Protection

Safety goggles.

Hand Protection

Chemical-resistant gloves.

Respiratory Protection

Not normally required under adequate ventilation.

Body Protection

Protective clothing.

SECTION 9. Physical and Chemical Properties

Property	Value
Appearance	Clear liquid
Colour	Colourless to pale yellow
Odour	Floral, rose, jasmine, herbal, fruity
Physical State	Liquid
Molecular Weight	192.25 g/mol
Specific Gravity	0.980–0.995
Refractive Index	1.490–1.500
Flash Point	>100 °C
Water Solubility	Insoluble
Solubility	Soluble in ethanol

SECTION 10. Stability and Reactivity

Stable under recommended storage.

Avoid

- Heat
- Strong oxidisers



- Open flames

Hazardous Decomposition

Carbon monoxide

Carbon dioxide

SECTION 11. Toxicological Information

Likely Routes

- Skin
- Eyes
- Inhalation

Effects

May cause skin irritation.

May cause allergic skin reaction.

May cause eye irritation.

No evidence of:

- Carcinogenicity
- Mutagenicity
- Reproductive toxicity
- STOT

SECTION 12. Ecological Information

Toxic to aquatic organisms with long lasting effects.

Avoid environmental release.

Dispose responsibly.

SECTION 13. Disposal Considerations

Dispose through an approved waste contractor in accordance with local regulations.



SECTION 14. Transport Information

Item	Information
UN Number	UN3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.
Hazard Class	9
Packing Group	III
Marine Pollutant	Yes

SECTION 15. Regulatory Information

Prepared in accordance with:

- Globally Harmonized System (GHS)
 - Regulation (EC) No. 1272/2008 (CLP)
 - Regulation (EC) No. 1907/2006 (REACH)
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SECTION 16. Other Information

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Prepared By

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Disclaimer

This Safety Data Sheet has been prepared using available supplier information and published technical data for Dimethyl Benzyl Carbinyl Acetate (CAS No. 151-05-3). It is intended to provide guidance for the safe handling, storage, transportation, and disposal of the material. It does not constitute a product specification or warranty. Users are responsible for ensuring compliance with applicable regulations and determining the suitability of the material for their intended use.