



SAFETY DATA SHEET (SDS)

Product Name: Allyl Caproate
Chemical Name: Allyl Hexanoate
Synonyms: Allyl Caproate, Allyl Hexoate
CAS Number: 123-68-2
EC Number: 204-642-4
FEMA Number: 2034
Molecular Formula: C₉ H₁₆ O₂
Molecular Weight: 156.22 g/mol
Product Type: Aroma Chemical
Recommended Use: Fragrance ingredient for perfumery, flavour (where permitted), cosmetic and personal care applications.
Supplier: Aromology Trading LLC
Address: G05 Al Ghazal Building, Nadd Al Hamar, Dubai, United Arab Emirates
Telephone: +971 505 197 601
Email: info@aromology.com
Website: www.aromology.com
Issue Date: 14 September 2025
Version: 1.0

SECTION 1: IDENTIFICATION

Product Identifier: Allyl Caproate

Chemical Name: Allyl Hexanoate

CAS Number: 123-68-2

Recommended Use: Perfumery, fragrance manufacture, cosmetics and laboratory use.

Emergency Telephone: +971 505 197 601

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification

Hazard Class	Category
Flammable Liquid	Category 3
Skin Irritation	Category 2
Eye Irritation	Category 2A



Hazard Class	Category
Skin Sensitisation	Category 1
Aquatic Chronic Toxicity	Category 3

Signal Word: Warning

Hazard Statements

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long-lasting effects.

Precautionary Statements

P210 Keep away from heat, sparks, open flames and hot surfaces.

P261 Avoid breathing vapours.

P264 Wash thoroughly after handling.

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.

P501 Dispose of contents/container according to local regulations.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Concentration
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Component	CAS Number	Concentration
Allyl Hexanoate	123-68-2	≥99%

SECTION 4: FIRST AID MEASURES

Inhalation

Move the affected person to fresh air.

Obtain medical attention if symptoms persist.

Skin Contact

Wash thoroughly with soap and water.

Remove contaminated clothing.

Seek medical attention if irritation develops.

Eye Contact

Flush immediately with clean water for at least 15 minutes.

Seek medical attention if irritation persists.

Ingestion

Rinse mouth with water.

Do **not** induce vomiting.

Seek medical advice if discomfort occurs.

Symptoms

Skin irritation.

Eye irritation.

Possible allergic skin reaction.

SECTION 5: FIREFIGHTING MEASURES



Suitable Extinguishing Media

- Carbon dioxide
- Dry chemical powder
- Alcohol-resistant foam
- Water spray

Unsuitable Extinguishing Media

Direct water jet.

Hazardous Combustion Products

Carbon monoxide.

Carbon dioxide.

Irritating organic vapours.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Remove all ignition sources.

Ensure adequate ventilation.

Prevent release into drains and waterways.

Absorb with sand, vermiculite or other inert absorbent material.

Dispose according to local regulations.

SECTION 7: HANDLING AND STORAGE

Handling

Avoid breathing vapours.

Avoid contact with skin and eyes.

Use only with adequate ventilation.



Observe good industrial hygiene practices.

Storage

Store below **25°C**.

Keep container tightly closed.

Protect from heat, sunlight and moisture.

Store away from oxidising agents.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

No established occupational exposure limits.

Engineering Controls

Provide adequate local exhaust ventilation.

Eye Protection

Chemical safety goggles.

Skin Protection

Chemical-resistant gloves.

Respiratory Protection

Organic vapour respirator where ventilation is inadequate.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	Clear colourless liquid
Odour	Powerful fruity, pineapple, green, tropical
Boiling Point	186–188°C
Flash Point	56–60°C



Property	Specification
Relative Density @20 °C	0.885–0.895
Refractive Index @20 °C	1.4180–1.4250
Solubility	Insoluble in water; soluble in ethanol and organic solvents

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Stable under recommended storage conditions.

Chemical Stability

Stable under normal handling conditions.

Conditions to Avoid

Heat.

Open flames.

Strong oxidising agents.

Prolonged exposure to air.

Hazardous Decomposition Products

Carbon monoxide.

Carbon dioxide.

Organic decomposition products.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

- Skin
- Eyes
- Inhalation
- Ingestion



Effects

May cause skin irritation.

May cause eye irritation.

May cause allergic skin reaction.

SECTION 12: ECOLOGICAL INFORMATION

Harmful to aquatic organisms with long-lasting effects.

Avoid uncontrolled release into the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of contents and containers in accordance with applicable local, national and international regulations.

Do not discharge into drains or waterways.

SECTION 14: TRANSPORT INFORMATION

Parameter	Information
UN Number	Not Regulated
Proper Shipping Name	Not Regulated
Hazard Class	Not Regulated
Packing Group	Not Applicable
Marine Pollutant	No

SECTION 15: REGULATORY INFORMATION

Prepared in accordance with:

- UN GHS (Latest Edition)
- Regulation (EC) No. 1272/2008 (CLP)
- Regulation (EC) No. 1907/2006 (REACH)



- IFRA Standards (51st Amendment)

SECTION 16: OTHER INFORMATION

This Safety Data Sheet provides guidance for the safe handling, storage and use of Allyl Caproate (Allyl Hexanoate) in perfumery, cosmetic and flavour applications.

Allyl Caproate is a powerful fruity ester with an intense pineapple, tropical fruit, green apple and juicy pear aroma. It is widely used in fine fragrances to enhance tropical fruit accords and in flavour applications where regulations permit. Due to its high odour impact, it is typically used at very low concentrations.

Prepared By:

Fozia Khot

Title: Director

Company: Aromology Trading LLC

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