



SAFETY DATA SHEET (SDS)

Prepared in accordance with the Globally Harmonized System (GHS) and Regulation (EC) No. 1907/2006 (REACH, as amended)

PRENYL ACETATE

SECTION 1: IDENTIFICATION

Parameter	Details
Product Name	Prenyl Acetate
Manufacturer	Symrise
Symrise Product No.	601331
CAS Number	1191-16-8
EC Number	214-730-4
FEMA Number	4202
EU REACH	01-2119959858-12
Chemical Name	3-Methylbut-2-en-1-yl acetate
Molecular Formula	C ₇ H ₁₂ O ₂
Molecular Weight	128.17 g/mol
Chemical Class	Ester
Product Type	Perfumery Aroma Chemical

Symrise directly confirms Product 601331, CAS 1191-16-8, REACH registration and the chemical identity.

Recommended Use: Professional fragrance formulation.

Supplier:

Aromology Trading LLC
G05 Al Ghazal Building
Nadd Al Hamar
Dubai, United Arab Emirates

Website: www.aromology.com

Email: info@aromology.com

Telephone: +971 505197601

SECTION 2: HAZARDS IDENTIFICATION

2.1 GHS Classification

Hazard Class	Classification
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Hazard Class	Classification
Flammable Liquids	Category 3
Aquatic Hazard	Harmful to aquatic life

The exact-substance Prenyl Acetate SDS reviewed gives H226 and H402.

2.2 Signal Word

WARNING

2.3 Hazard Statements

H226 – Flammable liquid and vapour.

H402 – Harmful to aquatic life.

2.4 Pictogram

GHS02 – Flame

2.5 Precautionary Statements

P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 – Keep container tightly closed.

P240 – Ground and bond container and receiving equipment.

P241 – Use explosion-proof electrical/ventilating/lighting equipment.

P242 – Use non-sparking tools.

P243 – Take action to prevent static discharges.

P273 – Avoid release to the environment.

P280 – Wear protective gloves and eye/face protection.

P303+P361+P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P370+P378 – In case of fire: Use appropriate extinguishing media.

P403+P235 – Store in a well-ventilated place. Keep cool.

P501 – Dispose of contents/container in accordance with applicable regulations.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Concentration
Prenyl Acetate	1191-16-8	≥98% GC

Chemical Name: 3-Methylbut-2-en-1-yl acetate

Formula: C₇ H₁₂O₂

Molecular Weight: 128.17 g/mol

Chemical Class: Ester

Stabilizer: None



Symrise specifies minimum 98% GC purity and no stabilizer.

SECTION 4: FIRST-AID MEASURES

Inhalation: Move exposed person to fresh air. Keep comfortable for breathing. Obtain medical attention if symptoms develop or persist.

Skin Contact: Remove contaminated clothing. Wash affected skin thoroughly with soap and water. Seek medical advice if irritation develops.

Eye Contact: Rinse cautiously with clean water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.

Ingestion: Rinse mouth. Do not induce vomiting unless directed by medical personnel. Seek medical attention if unwell.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Flammability

Flash Point: approximately 52 °C
Prenyl Acetate is classified as:
H226 – Flammable liquid and vapour.

5.2 Suitable Extinguishing Media

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

5.3 Specific Hazards

Vapours may form flammable mixtures with air.

Keep away from:

- Open flames
- Sparks
- Hot surfaces
- Static discharge
- Other ignition sources

5.4 Hazardous Combustion Products



May include:

- Carbon monoxide
- Carbon dioxide
- Irritating organic fumes
- Smoke

5.5 Firefighter Protection

Wear suitable protective equipment and self-contained breathing apparatus where required.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions

- Remove all ignition sources.
- Ensure adequate ventilation.
- Avoid breathing vapour.
- Avoid skin and eye contact.
- Wear appropriate protective equipment.
- Prevent static discharge.

Environmental Precautions

H402 – Harmful to aquatic life.

Prevent concentrated material from entering drains, waterways or soil.

Cleanup

Contain the spill.

Absorb with:

- Sand
- Vermiculite
- Diatomaceous earth
- Universal chemical absorbent

Use non-sparking equipment.

Collect into suitable labelled containers for disposal.

SECTION 7: HANDLING AND STORAGE

Safe Handling



- Keep away from ignition sources.
- No smoking.
- Ensure adequate ventilation.
- Avoid skin and eye contact.
- Avoid inhalation of concentrated vapour.
- Use non-sparking equipment where appropriate.
- Prevent electrostatic discharge.
- Keep container closed when not in use.

Storage

Store:

- In tightly closed containers
- In a cool location
- In a dry location
- In a well-ventilated area
- Away from heat and ignition sources
- Protected from direct sunlight
- Away from strong oxidising agents

P403+P235 – Store in a well-ventilated place. Keep cool.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Provide adequate general ventilation.

Local exhaust ventilation is recommended where significant vapour generation may occur.

Personal Protective Equipment

Protection	Recommendation
Eyes	Safety glasses / chemical goggles
Hands	Chemical-resistant protective gloves
Body	Suitable protective work clothing
Respiratory	Organic-vapour protection where ventilation is inadequate
Hygiene	Wash thoroughly after handling

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Clear, colourless to pale yellow liquid



Property	Value
Physical State	Liquid
Odour	Fruity, apple, pear, green, strawberry, jasmine
Molecular Formula	C ₇ H ₁₂ O ₂
Molecular Weight	128.17 g/mol
GC Purity	Minimum 98%
Flash Point	Approx. 52 °C
Boiling Point	149 °C
Chemical Class	Ester
Stabilizer	No
Biodegradability	90–100% – readily biodegradable

These values are directly published by Symrise for Prenyl Acetate.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No hazardous reaction expected under recommended storage and handling conditions.

Chemical Stability: Stable under normal conditions.

Conditions to Avoid:

- Heat
- Flames
- Sparks
- Static discharge
- Excessive temperatures

Incompatible Materials: Strong oxidising agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide and irritating fumes may form during combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

- Inhalation
- Skin contact
- Eye contact
- Accidental ingestion



The exact-substance SDS reviewed does not assign the material the principal irritation/sensitisation classifications that would justify adding unsupported H315, H317 or H319 statements to this supplier SDS. The verified classification used here is therefore limited to the available Prenyl Acetate SDS data.

Normal professional hygiene practices should nevertheless be followed.

SECTION 12: ECOLOGICAL INFORMATION

Aquatic Hazard

H402 – Harmful to aquatic life.
Biodegradability

Symrise reports: 90–100% – readily biodegradable.

Environmental Precautions

Avoid uncontrolled release of concentrated material into:

- Surface water
 - Groundwater
 - Drains
 - Sewers
 - Soil
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SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of product through an authorised chemical-waste facility in accordance with applicable local regulations.

Do not discharge concentrated material into drains or waterways.

Contaminated packaging should be disposed of according to applicable regulations.

SECTION 14: TRANSPORT INFORMATION

Because Prenyl Acetate has a flash point of approximately **52°C** and is classified as a flammable liquid, transport requirements must be checked against the current regional manufacturer SDS and applicable ADR/IMDG/IATA rules.

For customer documentation, I recommend using:



Parameter	Information
UN Number	Refer to current manufacturer transport SDS
ADR/RID	Refer to current manufacturer SDS
IMDG	Refer to current manufacturer SDS
IATA	Refer to current manufacturer SDS
Transport Hazard	Flammable liquid
Marine Pollutant	Refer to current manufacturer SDS

I would not invent a UN number or packing group without a verified transport Section 14 for the exact Symrise product.

SECTION 15: REGULATORY INFORMATION

Relevant regulatory frameworks include:

- Regulation (EC) No. 1907/2006 – REACH
- Regulation (EC) No. 1272/2008 – CLP
- Regulation (EU) 2020/878
- Regulation (EC) No. 1223/2009 – Cosmetics
- Applicable IFRA Standards

Verified Identification

Prenyl Acetate – Symrise

Product No.: 601331

CAS No.: 1191-16-8

FEMA No.: 4202

EU REACH: 01-2119959858-12

Symrise's current Aroma Molecules Sales Program confirms Prenyl Acetate as Product 601331, CAS 1191-16-8, FEMA 4202.

SECTION 16: OTHER INFORMATION

OLFACTIVE PROFILE

Symrise describes Prenyl Acetate as:

Fruity • Pear • Fresh

PERFUMERY CHARACTER

Prenyl Acetate provides:



- Fresh pear
- Crisp green apple
- Juicy fruity character
- Strawberry nuances
- Green-fruit freshness
- Light floral/jasmine facets
- Bright fruity top-note diffusion

RECOMMENDED PERFUMERY USE

0.1–6%

This is the Symrise recommended perfumery use level, not an IFRA maximum.

HAZARD STATEMENTS – FULL TEXT

H226 – Flammable liquid and vapour.

H402 – Harmful to aquatic life.

DISCLAIMER

This is a supplier-style 16-section SDS, compiled from official Symrise technical information and an exact-substance Prenyl Acetate SDS. It is not an original Symrise-issued Safety Data Sheet. The latest regional Symrise SDS should prevail for formal regulatory submission and dangerous-goods transport.

Authorised by:

Fozia Khot

Director