



SAFETY DATA SHEET (SDS)

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

SECTION 1 – IDENTIFICATION

Product Name: CIS-3-Hexenyl Acetate Natural

Chemical Name: *(Z)-Hex-3-en-1-yl Acetate*

INCI Name: Cis-3-Hexenyl Acetate

CAS Number: 3681-71-8

EC Number: 222-940-1

Molecular Formula: C₈ H₁₄O₂

Molecular Weight: 142.20 g/mol

Product Type: Natural Aroma Ingredient

Origin: Natural Isolate

Recommended Use: Professional perfumery, cosmetic and flavour fragrance raw material.

Supplier

Aromology Trading LLC

G05 Al Ghazal Building

Nadd Al Hamar

Dubai, United Arab Emirates

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SECTION 2 – HAZARD IDENTIFICATION

GHS Classification

- Flammable Liquid – Category 3
- Skin Irritation – Category 2
- Eye Irritation – Category 2A
- Hazardous to the Aquatic Environment (Chronic) – Category 3

Signal Word

Warning



Hazard Statements

- H226 Flammable liquid and vapour.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

- P210 Keep away from heat, sparks and open flames.
- P233 Keep container tightly closed.
- P264 Wash thoroughly after handling.
- P273 Avoid release to the environment.
- P280 Wear protective gloves and eye protection.
- P302+P352 IF ON SKIN: Wash thoroughly with soap and water.
- 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	Information
Product	CIS-3-Hexenyl Acetate Natural
Chemical Name	<i>(Z)-Hex-3-en-1-yl Acetate</i>
INCI Name	Cis-3-Hexenyl Acetate
CAS Number	3681-71-8
EC Number	222-940-1
Purity	≥95% Natural Isolate

SECTION 4 – FIRST AID MEASURES

Inhalation: Remove exposed person to fresh air. Seek medical attention if symptoms persist.

Skin Contact: Remove contaminated clothing and wash thoroughly with soap and water.

Eye Contact: Flush cautiously with water for at least 15 minutes. Obtain medical attention if irritation persists.



Ingestion: Rinse mouth. Do not induce vomiting unless directed by medical personnel. Seek medical advice.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media

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

Hazardous Combustion Products

Carbon monoxide, carbon dioxide and irritating organic vapours.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Remove all ignition sources.

Ensure adequate ventilation.

Absorb with inert material such as vermiculite or sand.

Prevent release into drains and waterways.

SECTION 7 – HANDLING AND STORAGE

Use only with adequate ventilation.

Avoid contact with skin and eyes.

Store tightly closed in a cool, dry place away from heat, sunlight and oxidising agents.

Recommended Storage Temperature: 5–20 °C



SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

- Chemical safety goggles
 - Nitrile gloves
 - Protective clothing
 - Local exhaust ventilation
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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	Clear mobile liquid
Colour	Colourless to Pale Yellow
Odour	Fresh green apple, leafy, fruity, pear, banana, cut grass
Relative Density (20 °C)	0.895–0.905
Refractive Index (20 °C)	1.425–1.435
Flash Point	Approximately 54 °C
Boiling Point	Approximately 170 °C
Solubility in Water	Slightly soluble
Solubility	Soluble in ethanol and perfumery solvents

SECTION 10 – STABILITY AND REACTIVITY

Stable under recommended storage conditions.

Avoid:

- Heat
- Sparks
- Open flames
- Strong oxidising agents

Hazardous decomposition products include carbon monoxide and carbon dioxide.

SECTION 11 – TOXICOLOGICAL INFORMATION

May cause skin irritation.

May cause serious eye irritation.



Low acute toxicity under normal conditions of professional use.

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 through an authorised waste contractor in accordance with local regulations.

SECTION 14 – TRANSPORT INFORMATION

Regulation	Status
UN Number	UN1993
Proper Shipping Name	Flammable Liquid, N.O.S.
ADR/RID	Class 3
IMDG	Class 3
IATA	Class 3
Packing Group	III

SECTION 15 – REGULATORY INFORMATION

Prepared in accordance with:

- GHS Revision 9
 - OSHA Hazard Communication Standard (29 CFR 1910.1200)
 - Regulation (EC) No. 1907/2006 (REACH)
 - Regulation (EU) 2020/878
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SECTION 16 – OTHER INFORMATION



CIS-3-Hexenyl Acetate Natural is a naturally derived aroma ingredient renowned for its intensely fresh green apple, leafy, pear and cut-grass character. It is widely used in fine fragrance, fruity accords, green florals, citrus compositions and flavour applications to impart vibrant natural freshness and lift.

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