



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 Butyrate Natural

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

INCI Name: Cis-3-Hexenyl Butyrate

CAS Number: 16491-36-4

EC Number: 240-558-1

Molecular Formula: C₁₀ H₁₈ O₂

Molecular Weight: 170.25 g/mol

Product Type: Natural Aroma Ingredient

Origin: Natural Isolate

Grade: Premium Perfumery Grade

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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Email: info@aromology.com

Telephone: +971 505197601

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 Butyrate Natural
Chemical Name	<i>(Z)-Hex-3-en-1-yl Butyrate</i>
INCI Name	Cis-3-Hexenyl Butyrate
CAS Number	16491-36-4
EC Number	240-558-1
Purity	≥95% Natural Isolate

SECTION 4 – FIRST AID MEASURES

Inhalation: Remove exposed person to fresh air. Seek medical advice 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. Seek medical attention if irritation persists.

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



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 ignition sources.

Ensure adequate ventilation.

Absorb with inert absorbent material.

Prevent entry into drains and waterways.

Transfer waste into approved disposal containers.

SECTION 7 – HANDLING AND STORAGE

Use only with adequate ventilation.

Avoid prolonged contact with skin and eyes.

Keep container tightly closed.

Store away from direct sunlight, heat 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	Green, fruity, pear, apple, banana, leafy, tropical
Relative Density (20 °C)	0.875–0.890
Refractive Index (20 °C)	1.430–1.440
Flash Point	Approximately 62 °C
Boiling Point	Approximately 205 °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 professional handling conditions.

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	Not Regulated
ADR/RID	Not Regulated
IMDG	Not Regulated
IATA	Not Regulated

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 Butyrate Natural is a naturally derived aroma ingredient with an intensely fresh green, fruity profile reminiscent of pear, green apple, banana and freshly cut leaves.



It is widely used in fine fragrance, fruity accords, green florals, citrus compositions and flavour applications where it imparts exceptional natural freshness and diffusion.

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