



SAFETY DATA SHEET (SDS)

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

Ethyl Safranate™

SECTION 1: Identification

1.1 Product Identifier

Item	Details
Product Name	Ethyl Safranate™
Manufacturer	Givaudan SA
Chemical Name	Ethyl 2,6,6-trimethylcyclohexa-1,3-diene-1-carboxylate (reaction mass of isomers)
CAS Number	35044-59-8
EC Number	252-335-9
REACH Registration	01-2120742165-59 (reaction mass)
Molecular Formula	C ₁₂ H ₁₈ O ₂
Molecular Weight	194.27 g/mol
Product Type	Aroma Chemical
Physical Form	Colourless Liquid
Odour Profile	Floral, Rose, Fruity Apple, Spicy, Apple Cider

Givaudan describes Ethyl Safranate™ as a complex diffusive spicy rose note with apple cider and spicy aspects, suitable for floral and fruity fragrances, with recommended use levels up to 2% in fragrance compounds.

1.2 Supplier

Aromology Trading LLC
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SECTION 2: Hazard Identification



Classification (Representative CLP / GHS)

Based on published SDS documentation for Ethyl Safranate:

- Skin Irritation – Category 2
- Aquatic Chronic Toxicity – Category 3

Signal Word

Warning

Hazard Statements

- H315 Causes skin irritation.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

- 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.
- P332+P313 If skin irritation occurs: Get medical advice.
- P362+P364 Remove contaminated clothing and wash before reuse.
- P501 Dispose of contents and container according to local regulations.

SECTION 3: Composition / Information on Ingredients

Component	CAS Number	Concentration
Ethyl Safranate™ (Reaction Mass of Isomers)	35044-59-8	100%

SECTION 4: First Aid Measures

Inhalation

Move the affected person to fresh air.
Seek medical attention if symptoms persist.

Skin Contact

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

Eye Contact

Flush cautiously with water for at least 15 minutes.



Remove contact lenses if present.
Continue rinsing.
Seek medical advice if irritation persists.

Ingestion

Rinse mouth thoroughly.
Do not induce vomiting.
Obtain medical attention.

SECTION 5: Fire Fighting Measures

Suitable Extinguishing Media

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

Hazardous Combustion Products

- Carbon monoxide
- Carbon dioxide
- Irritating organic vapours

Firefighters should wear self-contained breathing apparatus.

SECTION 6: Accidental Release Measures

- Wear suitable PPE.
 - Prevent entry into drains and waterways.
 - Absorb with inert absorbent material.
 - Collect in suitable waste containers.
 - Dispose according to applicable regulations.
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SECTION 7: Handling and Storage

Handling

- Avoid skin and eye contact.
- Avoid unnecessary vapour exposure.
- Use only in well-ventilated areas.
- Keep container tightly closed.



Storage

Store:

- Between 15–25 °C
- In tightly sealed original containers
- Protected from sunlight
- Away from heat and oxidising agents

SECTION 8: Exposure Controls / Personal Protection

Engineering Controls

Provide adequate local exhaust ventilation.

Personal Protective Equipment

Eye Protection

- Chemical safety goggles

Hand Protection

- Nitrile gloves

Body Protection

- Protective clothing

Respiratory Protection

- Organic vapour respirator where ventilation is inadequate

SECTION 9: Physical and Chemical Properties

Property	Typical Value
Appearance	Colourless liquid
Odour	Floral, rose, fruity apple, spicy
Molecular Formula	$C_{12}H_{18}O_2$
Molecular Weight	194.27
Boiling Point	229 °C
Vapour Pressure	0.0933 hPa



Log Pow	4.2
Physical State	Liquid
Solubility	Insoluble in water; soluble in alcohol and perfume solvents

These values correspond with Givaudan's published physicochemical data for Ethyl Safranate™.

SECTION 10: Stability and Reactivity

Stable under recommended storage conditions.

Avoid:

- Heat
- Open flames
- Strong oxidising agents

Hazardous decomposition products:

- Carbon monoxide
 - Carbon dioxide
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SECTION 11: Toxicological Information

Likely exposure routes:

- Skin
- Eyes
- Inhalation
- Ingestion

Potential effects:

- Skin irritation
 - Mild eye irritation
 - Gastrointestinal discomfort if swallowed
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SECTION 12: Ecological Information

Avoid uncontrolled environmental release.



Harmful to aquatic organisms with long lasting effects.

SECTION 13: Disposal Considerations

Dispose of unused material and contaminated packaging through an authorised chemical waste contractor.

Do not discharge into drains.

SECTION 14: Transport Information

Transport classification should be verified using the current manufacturer's SDS and applicable ADR, IMDG and IATA regulations.

SECTION 15: Regulatory Information

Prepared with reference to:

- REACH Regulation (EC) No. 1907/2006
 - CLP Regulation (EC) No. 1272/2008
 - Commission Regulation (EU) 2020/878
 - OSHA Hazard Communication Standard (29 CFR 1910.1200)
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SECTION 16: Other Information

This Safety Data Sheet has been prepared using published technical information for Ethyl Safranate™ and representative SDS documentation. Givaudan identifies Ethyl Safranate™ as a high-impact floral ingredient offering excellent stability in detergents and toiletries with recommended fragrance use levels up to 2%. The official Givaudan SDS supplied with the purchased batch should take precedence where batch-specific classifications differ.

Authorised by
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Director
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