



SAFETY DATA SHEET (SDS)

In accordance with the Globally Harmonized System (GHS)

SECTION 1. Identification

1.1 Product Identifier

Product Name: Aldehyde C-16

Chemical Name: Ethyl Methylphenylglycidate

Synonyms: Strawberry Aldehyde, Aldehyde C-16

CAS Number: 77-83-8

EC Number: 201-061-8

Chemical Formula: C₁₂H₁₄O₃

Molecular Weight: 206.24 g/mol

1.2 Relevant Identified Uses

Raw material for:

- Fine Fragrance
- Cosmetics
- Personal Care Products
- Soap & Detergent Fragrances
- Flavour Applications (where permitted)
- Household Fragrance Products

1.3 Supplier

Aromology Trading LLC

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SECTION 2. Hazard Identification

GHS Classification

Based on available supplier safety information, this material is generally classified as:

- Eye Irritation – Category 2A
- Skin Sensitisation – Category 1 (where applicable according to supplier classification)

Signal Word

Warning

Hazard Statements

H317 – May cause an allergic skin reaction.

H319 – Causes serious eye irritation.

Precautionary Statements

P261 Avoid breathing vapours.

P264 Wash thoroughly after handling.

P272 Contaminated work clothing should not leave the workplace.

P280 Wear protective gloves and eye protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

P333+P313 If skin irritation or rash occurs: Get medical advice.

P337+P313 If eye irritation persists: Get medical advice.

P501 Dispose of contents/container in accordance with local regulations.

SECTION 3. Composition / Information on Ingredients

Component	Information
Chemical Name	Ethyl Methylphenylglycidate



Component	Information
Common Name	Aldehyde C-16
CAS Number	77-83-8
EC Number	201-061-8
Purity	Typically $\geq 98\%$

SECTION 4. First Aid Measures

Inhalation

Move exposed person to fresh air.

Keep comfortable.

Seek medical advice if symptoms persist.

Skin Contact

Remove contaminated clothing.

Wash thoroughly with soap and water.

Seek medical attention if irritation develops.

Eye Contact

Flush immediately with water for at least 15 minutes.

Remove contact lenses if present.

Seek medical attention if irritation persists.

Ingestion

Rinse mouth thoroughly.

Do not induce vomiting.

Seek medical advice immediately.

SECTION 5. Fire Fighting Measures



Suitable Extinguishing Media

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

Unsuitable Media

High-pressure water jet.

Hazardous Combustion Products

- Carbon monoxide
- Carbon dioxide
- Irritating organic vapours

Protective Equipment

Self-contained breathing apparatus and protective clothing.

SECTION 6. Accidental Release Measures

Prevent entry into drains and waterways.

Absorb with:

- Sand
- Vermiculite
- Universal absorbent

Collect into suitable waste containers.

Wash contaminated area after cleanup.



SECTION 7. Handling and Storage

Handling

Avoid inhalation of vapours.

Avoid skin and eye contact.

Use adequate ventilation.

Wear suitable PPE.

Storage

Store in tightly closed original containers.

Store below 25°C.

Protect from:

- Heat
- Direct sunlight
- Moisture
- Strong oxidising agents

SECTION 8. Exposure Controls / Personal Protection

Engineering Controls

Local exhaust ventilation recommended.

Eye Protection

Chemical safety goggles.

Hand Protection

Chemical resistant nitrile gloves.



Respiratory Protection

Suitable respiratory protection if ventilation is inadequate.

Body Protection

Protective clothing.

SECTION 9. Physical and Chemical Properties

Property	Value
Appearance	Colourless liquid
Odour	Sweet, fruity, strawberry-like
Physical State	Liquid
Molecular Weight	206.24 g/mol
Melting Point	7–8°C
Boiling Point	272–275°C
Flash Point	>100°C
Density	1.09–1.10 g/cm ³
Water Solubility	Insoluble
Solubility	Soluble in alcohol and fragrance solvents

These physical characteristics are consistent with Ethyl Methylphenylglycidate (Aldehyde C-16).

SECTION 10. Stability and Reactivity

Stable under recommended storage conditions.

Avoid:

- Excessive heat
- Strong oxidising agents
- Strong alkalis

Hazardous decomposition products:



- Carbon monoxide
- Carbon dioxide

No hazardous polymerisation expected.

SECTION 11. Toxicological Information

Likely routes of exposure:

- Skin
- Eyes
- Inhalation

Possible effects:

- Eye irritation
- Skin sensitisation in susceptible individuals

No evidence of carcinogenicity, mutagenicity or reproductive toxicity at normal industrial exposure levels has been established.

SECTION 12. Ecological Information

Avoid uncontrolled release into the environment.

Prevent contamination of waterways.

Dispose of waste through licensed waste contractors.

SECTION 13. Disposal Considerations

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

SECTION 14. Transport Information

Item

Information



Item	Information
UN Number	Not regulated
Proper Shipping Name	Not regulated
Hazard Class	Not regulated
Packing Group	Not applicable

SECTION 15. Regulatory Information

Prepared in accordance with:

- Globally Harmonized System (GHS)
 - Applicable REACH and CLP guidance where relevant
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SECTION 16. Other Information

Issue Date: 18 February 2026

Revision: 1.0

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Disclaimer

This Safety Data Sheet is based on currently available technical information, published reference data, and supplier information for Ethyl Methylphenylglycidate (Aldehyde C-16, CAS 77-83-8). It is intended as guidance for the safe handling, storage, transportation, use, and disposal of the material and does not constitute a guarantee of specific properties. Users are responsible for ensuring compliance with all applicable regulations and determining the suitability of the product for their intended application.