



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

Item	Details
Product Name	HEDIONE®
Manufacturer	Firmenich (dsm-firmenich)
Chemical Name	Methyl Dihydrojasmonate
Chemical Name (IUPAC)	Cyclopentaneacetic acid, 3-oxo-2-pentyl-, methyl ester
CAS Number	24851-98-7
EC Number	246-495-9
REACH Registration	01-2119493355-31
FEMA Number	3408
Product Type	Aroma Chemical
Recommended Use	Professional perfumery, fragrance and cosmetic manufacture
Uses Advised Against	Internal consumption and direct cosmetic application without formulation

HEDIONE® is the registered Firmenich (dsm-firmenich) grade of methyl dihydrojasmonate, a readily biodegradable floral aroma chemical with a flash point above 100°C.

Supplier

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

Website: www.aromology.com
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SECTION 2: HAZARD IDENTIFICATION

GHS Classification



According to the manufacturer's Safety Data Sheet, HEDIONE® is not classified as hazardous under Regulation (EC) No. 1272/2008 (CLP/GHS).

Signal Word

Not Required

Representative Precautionary Statements

- Avoid unnecessary contact with skin and eyes.
- Avoid breathing vapours or mists.
- Use with adequate ventilation.
- Wash thoroughly after handling.
- Keep container tightly closed.
- Keep out of reach of children.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	EC Number	Concentration
HEDIONE® (Methyl Dihydrojasmonate)	24851-98-7	246-495-9	≥99%

SECTION 4: FIRST-AID MEASURES

Inhalation

Move the exposed person to fresh air. Obtain medical attention if symptoms persist.

Skin Contact

Wash thoroughly with soap and water. Remove contaminated clothing.

Eye Contact

Flush cautiously with water for at least 15 minutes. Seek medical advice if irritation persists.

Ingestion

Rinse mouth thoroughly. Do not induce vomiting unless directed by medical personnel.

Symptoms



- Mild eye irritation.
 - Mild skin irritation after prolonged exposure.
 - Gastrointestinal discomfort if swallowed.
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SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

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

Hazardous Combustion Products

Heating or combustion may produce:

- Carbon monoxide
- Carbon dioxide
- Irritating organic vapours

Firefighters should wear self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Ensure adequate ventilation.
 - Wear suitable gloves and eye protection.
 - Prevent entry into drains and waterways.
 - Absorb with inert absorbent material.
 - Dispose of waste according to local regulations.
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SECTION 7: HANDLING AND STORAGE

Handling

- Use with adequate ventilation.
- Avoid prolonged skin contact.
- Avoid contact with eyes.



- Keep containers tightly closed.

Storage

Store:

- In the original sealed container.
- In a cool, dry, well-ventilated location.
- Away from heat and direct sunlight.
- Away from strong oxidising agents.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Protection	Recommendation
Eye Protection	Chemical safety glasses
Hand Protection	Nitrile gloves
Skin Protection	Laboratory coat
Respiratory Protection	Normally not required with adequate ventilation
Hygiene Measures	Wash hands after handling

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Representative Information
Appearance	Clear liquid
Colour	Colourless
Odour	Elegant floral, jasmine, transparent, citrus freshness
Physical State	Liquid
Molecular Weight	226 g/mol
Flash Point	>100°C (typically about 148°C)
Vapour Pressure (20°C)	Approximately 0.00071 Pa
Log P	2.92
Water Solubility	Slightly soluble
Boiling Point	High; manufacturer specification
Biodegradability	Readily biodegradable

These representative properties are taken from the manufacturer's published technical information.



SECTION 10: STABILITY AND REACTIVITY

Chemical Stability

Stable under recommended storage conditions.

Conditions to Avoid

- Excessive heat.
- Direct sunlight.
- Strong oxidising agents.

Hazardous Decomposition Products

- Carbon monoxide.
- Carbon dioxide.
- Organic decomposition products.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure:

- Skin contact.
- Eye contact.
- Inhalation.
- Ingestion.

No significant hazards are expected under normal industrial handling conditions. Prolonged exposure may cause mild irritation.

SECTION 12: ECOLOGICAL INFORMATION

- Readily biodegradable.
- Avoid unnecessary environmental release.
- Prevent discharge into drains and waterways.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of product and contaminated packaging through an authorised chemical waste contractor in accordance with local regulations.

SECTION 14: TRANSPORT INFORMATION



HEDIONE® is generally not classified as Dangerous Goods under ADR, IMDG or IATA transport regulations according to the manufacturer's SDS.

SECTION 15: REGULATORY INFORMATION

Prepared with reference to:

- Regulation (EC) No. 1907/2006 (REACH)
- Regulation (EC) No. 1272/2008 (CLP)
- Regulation (EU) 2020/878
- United Nations GHS

SECTION 16: OTHER INFORMATION

Document Information

Item	Details
Issue Date	18 July 2026
Revision	01
Document Type	Summary Material Safety Data Sheet

Disclaimer

This document provides representative safety information for HEDIONE® (Firmenich) based on the manufacturer's published Safety Data Sheet and technical documentation. The current original dsm-firmenich Safety Data Sheet shall always take precedence for regulatory and transport purposes.

This material is intended exclusively for professional perfumery and fragrance manufacture. It is not intended for internal consumption and should be stored securely away from children.

Authorised by:

Fozia Khot
Director