

## SECTION 1 — IDENTIFICATION

|                            |                                                                                                                                                                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product identifier</b>  | Hedione                                                                                                                                                                                                                                                                     |
| <b>Veriscents SKU</b>      | HEDIONE                                                                                                                                                                                                                                                                     |
| <b>Chemical name</b>       | Methyl 3-oxo-2-pentylcyclopentaneacetate (methyl dihydrojasmonate)                                                                                                                                                                                                          |
| <b>Synonyms</b>            | Methyl dihydrojasmonate; MDJ; Hedione® (registered trade mark of Firmenich SA)                                                                                                                                                                                              |
| <b>CAS No.</b>             | 24851-98-7                                                                                                                                                                                                                                                                  |
| <b>EC No.</b>              | 246-495-9                                                                                                                                                                                                                                                                   |
| <b>Recommended use</b>     | Fragrance ingredient. Supplied as a raw material for compounding perfume concentrates by trained or informed users.                                                                                                                                                         |
| <b>Restrictions on use</b> | Not for food, drug, or medicinal use. Not sold for direct application to skin in undiluted form. Not intended for consumer resale as supplied.                                                                                                                              |
| <b>Supplier</b>            | Veriscents<br>30 N. Gould Street<br>Sheridan, WY 82801<br>United States                                                                                                                                                                                                     |
| <b>Telephone</b>           | +1 877.863.7700                                                                                                                                                                                                                                                             |
| <b>E-mail</b>              | support@veriscents.com                                                                                                                                                                                                                                                      |
| <b>Web</b>                 | veriscents.com                                                                                                                                                                                                                                                              |
| <b>Regulatory contact</b>  | Regulatory Officer                                                                                                                                                                                                                                                          |
| <b>Emergency telephone</b> | +1 800.222.1222 — Poison Help (US national poison control)<br>Staffed 24 hours a day, 7 days a week; routes to the caller's regional poison center. Provides medical advice on human exposure. For a spill, fire, or transport incident, contact emergency services on 911. |

### Note on this document

Veriscents supplies this material as a repackager. This document is issued by Veriscents and describes the material as supplied by Veriscents. It is derived from the manufacturer's safety data sheet together with published regulatory data. See Section 16.

## SECTION 2 — HAZARD(S) IDENTIFICATION

### Classification of the substance or mixture

This material is considered hazardous under the OSHA Hazard Communication Standard, 29 CFR 1910.1200(d).

**Acute toxicity — inhalation** Category 4

**Hazardous to the aquatic environment — long-term** Category 2

### Label elements



**Signal word:** Warning

### Hazard statements

H332 Harmful if inhaled.

H411 Toxic to aquatic life with long lasting effects.



### Precautionary statements

P261 Avoid breathing vapour or mist.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER or doctor if you feel unwell.

P391 Collect spillage.

P501 Dispose of contents and container in accordance with local, state and federal regulations.

### Hazards not otherwise classified (HNOC)

None.

## SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

Substance.

| Component                                                          | CAS No.    | EC No.    | Concentration |
|--------------------------------------------------------------------|------------|-----------|---------------|
| Methyl 3-oxo-2-pentylcyclopentaneacetate (methyl dihydrojasmonate) | 24851-98-7 | 246-495-9 | ≥ 99%         |

Any component not disclosed is either non-hazardous or present below the concentration requiring disclosure under 29 CFR 1910.1200.

## SECTION 4 — FIRST-AID MEASURES

|                     |                                                                                                                                                          |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Remove the person to fresh air and keep them at rest in a position comfortable for breathing. Call a poison center or doctor if the person feels unwell. |
| <b>Skin contact</b> | Remove contaminated clothing. Wash thoroughly with soap and water. Contact a physician if irritation persists.                                           |
| <b>Eye contact</b>  | Flush immediately with water for at least 15 minutes, holding the eyelids open. Contact a physician if symptoms persist.                                 |
| <b>Ingestion</b>    | Rinse the mouth with water and obtain medical attention.                                                                                                 |

### Most important symptoms and effects

Harmful if inhaled.

### Notes to physician

Treat symptomatically.

## SECTION 5 — FIRE-FIGHTING MEASURES

|                                               |                                                                                                                                                                                         |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>           | Carbon dioxide, dry chemical, or foam.                                                                                                                                                  |
| <b>Specific hazards</b>                       | Carbon monoxide and unidentified organic compounds may be liberated in a fire.                                                                                                          |
| <b>Protective equipment for fire-fighters</b> | Where ventilation is insufficient, wear suitable respiratory protection. Self-contained breathing apparatus and full protective clothing are recommended for fires involving chemicals. |

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

|                                  |                                                                                                                                                                                                                              |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions</b>      | Avoid inhalation and contact with skin and eyes. See the protective measures in Sections 7 and 8.                                                                                                                            |
| <b>Environmental precautions</b> | Avoid release to the environment. Keep out of drains, surface water, groundwater and soil. This material is toxic to aquatic life with long lasting effects.                                                                 |
| <b>Containment and clean-up</b>  | Remove ignition sources and provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately with sand or an inert absorbent powder and dispose of it in accordance with local regulations. |

## SECTION 7 — HANDLING AND STORAGE

### Precautions for safe handling

Keep away from heat, sparks, open flames and hot surfaces. Do not smoke. Use personal protective equipment as required. Work in accordance with good manufacturing and industrial hygiene practice, in an area with adequate ventilation. Do not eat, drink or smoke when using this product.

### Conditions for safe storage

Store in a cool, well-ventilated place with the container tightly closed. Ground and bond containers and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment and non-sparking tools. Take precautionary measures against static discharge. Amber glass or lined metal is preferred for long-term storage.

## SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational exposure limits

No OSHA PEL, ACGIH TLV, or NIOSH REL has been established for this material.

### Engineering controls

Provide general and local exhaust ventilation sufficient to keep airborne concentrations low, particularly where the material is openly weighed or decanted. Eyewash stations and safety showers should be available in the work area.

### Personal protective equipment

|                                |                                                                                                                                                                      |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye and face protection</b> | Safety glasses with side shields, goggles, or a face shield where eye contact is possible.                                                                           |
| <b>Skin protection</b>         | Chemically resistant gloves and suitable protective clothing. Nitrile is generally suitable for incidental contact; replace gloves at the first sign of degradation. |

**Respiratory protection**

Not normally required where ventilation is adequate. Where exposure limits may be exceeded or irritation occurs, use NIOSH-approved respiratory protection with an organic vapour cartridge. Protection from air-purifying respirators is limited; use a positive-pressure, air-supplied respirator where there is potential for uncontrolled release, where exposure levels are unknown, or in any circumstance an air-purifying respirator may not provide adequate protection.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling and before breaks and meals.

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

| Property                              | Value                                 | Method / conditions |
|---------------------------------------|---------------------------------------|---------------------|
| Physical state                        | Liquid                                | —                   |
| Appearance                            | Clear liquid                          | —                   |
| Colour                                | Colourless to pale yellow             | —                   |
| Odour                                 | Floral, jasmine; conforms to standard | —                   |
| Odour threshold                       | Not determined                        | —                   |
| pH                                    | Not applicable                        | —                   |
| Melting / freezing point              | Not determined                        | —                   |
| Initial boiling point                 | Not determined                        | —                   |
| Flash point                           | > 200 °F (> 93.5 °C)                  | Closed cup          |
| Evaporation rate                      | Not determined                        | —                   |
| Flammability (solid, gas)             | Not applicable — liquid               | —                   |
| Upper / lower explosive limits        | Does not present an explosion hazard  | —                   |
| Vapour pressure                       | Not determined                        | —                   |
| Vapour density                        | Not determined                        | —                   |
| Relative density                      | Not determined                        | —                   |
| Solubility                            | Not determined                        | —                   |
| Partition coefficient n-octanol/water | Not determined                        | —                   |
| Auto-ignition temperature             | Not determined                        | —                   |
| Decomposition temperature             | Not determined                        | —                   |
| Viscosity                             | Not determined                        | —                   |

## SECTION 10 — STABILITY AND REACTIVITY

**Reactivity**

Presents no significant reactivity hazard by itself or in contact with water.

**Chemical stability**

Stable under normal storage conditions.

**Possibility of hazardous reactions**

Not expected under normal conditions of use.

**Conditions to avoid**

Extreme heat; ignition sources.

**Incompatible materials**

Strong acids, alkalis, and oxidising agents.

**Hazardous decomposition products**

None expected under normal conditions. Carbon monoxide and unidentified organic compounds may be formed during combustion.

## SECTION 11 — TOXICOLOGICAL INFORMATION

Health effects have been determined using the methods set out in 29 CFR 1910.1200.

| Endpoint                    | Result                          |
|-----------------------------|---------------------------------|
| Acute toxicity — inhalation | Category 4. Harmful if inhaled. |
| Acute toxicity — oral       | Not applicable                  |
| Acute toxicity — dermal     | Not applicable                  |

| Endpoint                          | Result                                                                                   |
|-----------------------------------|------------------------------------------------------------------------------------------|
| Skin corrosion / irritation       | Classification criteria not met on the available data                                    |
| Serious eye damage / irritation   | Classification criteria not met on the available data                                    |
| Respiratory or skin sensitisation | Classification criteria not met on the available data                                    |
| Germ cell mutagenicity            | Classification criteria not met on the available data                                    |
| Carcinogenicity                   | Classification criteria not met on the available data. Not listed by IARC, OSHA, or NTP. |
| Reproductive toxicity             | Classification criteria not met on the available data                                    |
| STOT — single exposure            | Classification criteria not met on the available data                                    |
| STOT — repeated exposure          | Classification criteria not met on the available data                                    |
| Aspiration hazard                 | Classification criteria not met on the available data                                    |

## SECTION 12 — ECOLOGICAL INFORMATION

|                                      |                                                                                                                                                     |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ecotoxicity</b>                   | Toxic to aquatic life with long lasting effects. Classified as hazardous to the aquatic environment, long-term Category 2.                          |
| <b>Persistence and degradability</b> | No data available.                                                                                                                                  |
| <b>Bioaccumulative potential</b>     | No data available.                                                                                                                                  |
| <b>Mobility in soil</b>              | No data available.                                                                                                                                  |
| <b>Other adverse effects</b>         | Classified as an environmentally hazardous substance for transport purposes and as a marine pollutant under IMDG. Avoid release to the environment. |

## SECTION 13 — DISPOSAL CONSIDERATIONS

|                               |                                                                                                                                                  |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Waste material</b>         | Dispose of in accordance with local, state and federal regulations. Do not discharge to drains, watercourses, or the environment.                |
| <b>Contaminated packaging</b> | Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers for other purposes. |

## SECTION 14 — TRANSPORT INFORMATION

This material is regulated as dangerous goods by road, rail, sea and air.

| Regulation           | UN No.  | Proper shipping name                                                                             | Class | PG  |
|----------------------|---------|--------------------------------------------------------------------------------------------------|-------|-----|
| UN Model Regulations | UN 3082 | Environmentally hazardous substance, liquid, n.o.s. (methyl dihydrojasmonate)                    | 9     | III |
| US DOT               | UN 3082 | Environmentally hazardous substance, liquid, n.o.s. (methyl dihydrojasmonate)                    | 9     | III |
| US DOT (bulk)        | UN 3082 | Environmentally hazardous substance, liquid, n.o.s. (methyl dihydrojasmonate)                    | 9     | III |
| IMDG                 | UN 3082 | Environmentally hazardous substance, liquid, n.o.s. (methyl dihydrojasmonate) — MARINE POLLUTANT | 9     | III |
| ADR / RID / ADN      | UN 3082 | Environmentally hazardous substance, liquid, n.o.s. (methyl dihydrojasmonate)                    | 9     | III |
| ICAO TI / IATA       | UN 3082 | Environmentally hazardous substance, liquid, n.o.s. (methyl dihydrojasmonate)                    | 9     | III |

|                                                            |                                      |
|------------------------------------------------------------|--------------------------------------|
| <b>Environmental hazards</b>                               | Environmentally hazardous substance. |
| <b>Special precautions for user</b>                        | None additional.                     |
| <b>Transport in bulk (MARPOL 73/78 Annex II, IBC Code)</b> | Not applicable.                      |

US DOT entries refer to domestic transport by road or rail within the 48 contiguous states. Limited quantity and excepted quantity provisions may apply to the small pack sizes supplied by Veriscents. Confirm the applicable provisions with your carrier before shipping.

#### Emergency response number for shipping

Because this material is regulated for transport, a shipper offering it must provide an emergency response telephone number meeting 49 CFR 172.604 — monitored at all times the shipment is in transit, by a person with knowledge of the hazards or with immediate access to it. The Poison Help line given in Section 1 provides medical advice on human exposure and does not meet that requirement. A chemical emergency response contract (CHEMTREC or equivalent) is required before this material is offered for transport.

## SECTION 15 — REGULATORY INFORMATION

|                                       |                                                                                                                                                  |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SARA 311/312 hazard categories</b> | Acute health hazard; environmental hazard.                                                                                                       |
| <b>SARA 313</b>                       | No components subject to reporting requirements.                                                                                                 |
| <b>Reportable quantity</b>            | None established.                                                                                                                                |
| <b>TSCA</b>                           | All components are listed on the TSCA inventory or are exempt.                                                                                   |
| <b>California Proposition 65</b>      | This product does not contain a chemical known to the State of California to cause cancer or reproductive toxicity at a level requiring warning. |
| <b>IFRA</b>                           | This material is not the subject of an IFRA Standard. Standards applying to other materials in a finished compound still apply.                  |

## SECTION 16 — OTHER INFORMATION

|                      |                    |
|----------------------|--------------------|
| <b>SDS number</b>    | VS-HEDIONE-R10     |
| <b>Version</b>       | 1.0                |
| <b>Revision date</b> | 17 August 2026     |
| <b>Supersedes</b>    | None — first issue |
| <b>Prepared by</b>   | Regulatory Officer |
| <b>Approved by</b>   | Regulatory Officer |

#### Full text of hazard statements

H332 Harmful if inhaled.

H411 Toxic to aquatic life with long lasting effects.

#### Sources

This document was prepared from the manufacturer's safety data sheet for this material (version 3, issued 30 April 2025) together with published regulatory data. Hedione is a registered trade mark of Firmenich SA; Veriscents is not affiliated with, endorsed by, or acting as an agent of that company.

#### Key to revisions

First issue under the Veriscents document system.

#### Disclaimer

The information in this safety data sheet was obtained from sources believed to be reliable and is provided without warranty, express or implied, as to its correctness or completeness. Because the use, handling, storage and disposal of this product are beyond the control of Veriscents, it is the responsibility of the user to determine safe conditions of use and to assume liability for loss, damage or expense arising from improper use. No warranty is created or inferred by any statement or omission in this document. Federal, state, provincial and local regulations concerning the transport, handling, storage, use or disposal of this product may not be reflected here; the user should review those regulations to ensure full compliance.

*End of safety data sheet.*