



## SAFETY DATA SHEET (SDS)

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

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### LACTOJASMONE

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#### SECTION 1: IDENTIFICATION

| Parameter           | Details                                          |
|---------------------|--------------------------------------------------|
| Product Name        | Lactojasmone                                     |
| Manufacturer        | Symrise                                          |
| Symrise Product No. | 660590                                           |
| Chemical Name       | 5-Hexyldihydro-5-methylfuran-2(3H)-one           |
| Alternative Name    | Dihydrojasmone Lactone / Gamma-Methyldecalactone |
| CAS Number          | 7011-83-8                                        |
| EC Number           | 230-291-1                                        |
| FEMA Number         | 3786                                             |
| Molecular Formula   | $C_{11}H_{20}O_2$                                |
| Molecular Weight    | 184.3 g/mol                                      |
| Chemical Class      | Lactone                                          |
| Product Type        | Aroma / Fragrance Ingredient                     |
| Odour Family        | Floral / Lactonic / Creamy                       |

Symrise also lists Lactojasmone as FEMA 3786 in its Flavor Ingredient Finder.

#### Recommended Uses

Professional fragrance manufacture, jasmine and white-floral accords, tuberose, narcissus, osmanthus, frangipani, creamy floral fragrances, sandalwood accords, personal care, soap, shampoo and household fragrance.

#### Recommended Fragrance Use: 0.05–3%

This is Symrise olfactory guidance, not an IFRA maximum.

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#### Supplier

Aromology Trading LLC  
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Nadd Al Hamar  
Dubai, United Arab Emirates

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## SECTION 2: HAZARDS IDENTIFICATION

Public safety information for CAS 7011-83-8 is not completely uniform across suppliers. Some sources report no formal GHS classification, while fragrance-industry handling documentation recommends avoiding skin and eye contact. Therefore, the current regional Symrise SDS should be used for the definitive CLP/GHS classification.

Recommended professional precautions:

- Avoid direct eye contact.
- Avoid prolonged skin contact.
- Avoid breathing concentrated vapour or aerosol.
- Wear protective gloves and safety glasses.
- Use adequate ventilation.
- Wash thoroughly after handling.

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## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

| Component                              | CAS No.   | Specification                     |
|----------------------------------------|-----------|-----------------------------------|
| 5-Hexyldihydro-5-methylfuran-2(3H)-one | 7011-83-8 | ≥98% GC                           |
| Related manufacturing constituents     | —         | Within manufacturer specification |

Symrise specifies minimum 98% GC purity.

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## SECTION 4: FIRST-AID MEASURES

**Inhalation:** Move exposed person to fresh air. Seek medical attention if symptoms persist.

**Skin:** Wash thoroughly with soap and water. Remove contaminated clothing.

**Eyes:** Rinse cautiously with clean water for at least 15 minutes. Seek medical advice if irritation persists.

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

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## SECTION 5: FIRE-FIGHTING MEASURES

Suitable media:

- Carbon dioxide
- Dry chemical
- Alcohol-resistant foam



- Water fog

Flash Point: >100 °C

Thermal decomposition may produce carbon monoxide, carbon dioxide and irritating organic vapours.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

Ensure ventilation, use suitable PPE, contain the spill and absorb with sand, vermiculite or other inert material. Prevent concentrated material from entering drains or waterways.

## SECTION 7: HANDLING AND STORAGE

Store:

- Tightly closed
- Cool and dry
- Protected from direct sunlight
- Away from excessive heat
- Away from strong oxidising agents

Maintain good industrial hygiene during weighing, filling and blending.

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## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

| Protection             | Recommendation                                         |
|------------------------|--------------------------------------------------------|
| Eye Protection         | Safety glasses / goggles                               |
| Hand Protection        | Nitrile or suitable chemical-resistant gloves          |
| Body Protection        | Protective work clothing                               |
| Respiratory Protection | Organic-vapour protection if ventilation is inadequate |

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| Property               | Value                                            |
|------------------------|--------------------------------------------------|
| Appearance             | Clear, colourless liquid                         |
| Odour                  | Floral, jasmine, lactonic, tuberose, yellow plum |
| GC Purity              | ≥98%                                             |
| Relative Density D20/4 | 0.943–0.946                                      |
| Refractive Index n20/D | 1.448–1.452                                      |
| Molecular Formula      | C <sub>11</sub> H <sub>20</sub> O <sub>2</sub>   |



| Property           | Value                                                           |
|--------------------|-----------------------------------------------------------------|
| Molecular Weight   | 184.3 g/mol                                                     |
| Flash Point        | >100 °C                                                         |
| Boiling Point      | 289.1 °C perfumery sheet / approx. 285 °C flavour specification |
| Log P              | 3.02                                                            |
| Stabilizer         | None                                                            |
| Natural Occurrence | Yes                                                             |
| Biodegradability   | 72.7% – readily biodegradable                                   |

The density and refractive-index specifications are directly reported in Symrise's flavour product data, while the perfumery sheet gives the 289.1 °C boiling point and sustainability information.

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## SECTION 10: STABILITY AND REACTIVITY

Stable under recommended conditions. Avoid excessive heat and strong oxidising materials. Hazardous polymerisation is not expected.

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## SECTION 11: TOXICOLOGICAL INFORMATION

Published information reports very low acute toxicity, including an oral rat LD<sub>50</sub> >5,000 mg/kg. A reported human test at 2% found no irritation or sensitisation.

These literature results do not replace the current Symrise toxicological assessment.

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## SECTION 12: ECOLOGICAL INFORMATION

Symrise reports:

Biodegradability: 72.7% – Readily biodegradable

Log P: 3.02

Avoid unnecessary concentrated environmental release.

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## SECTION 13: DISPOSAL CONSIDERATIONS

Dispose through an authorised waste facility. Do not discharge concentrated material into drains or surface water.

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## SECTION 14: TRANSPORT INFORMATION



The definitive ADR/RID, IMDG and IATA classification must be taken from the current regional Symrise SDS for Product 660590. Do not assign a UN number solely from this supplier document.

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## SECTION 15: REGULATORY INFORMATION

Relevant frameworks include REACH, CLP, Regulation (EU) 2020/878, EU Cosmetics Regulation 1223/2009, Regulation (EU) 2023/1545 and applicable IFRA Standards.

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## SECTION 16: OTHER INFORMATION

Olfactive Profile

Floral • Jasmine • Lactonic • Creamy • Tuberose • Yellow Plum • Milky • Fruity

Symrise states that Lactojasmone enriches opulent flowers such as jasmine and narcissus with creamy and animalic nuances, gives milky accents to sandalwood, and strengthens fruity osmanthus and tropical frangipani effects.

**Disclaimer:** This is a supplier-style SDS based on official Symrise technical information and published safety data. It is not the original Symrise SDS. The latest regional manufacturer SDS shall prevail for formal hazard communication and transport.

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**Authorised by:**

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