

# MYSTIC MOMENTS

## ANALYSIS CERTIFICATE

**PRODUCT:** HEDIONE  
**BATCH:** 4568803  
**BEST BEFORE DATE:** 01/2028

	RESULTS	SPECIFICATIONS	
		MIN	MAX
ASPECT	LIQUID		
COLOR	COLORLESS - PALE YELLOW		
ODOUR	FLORAL, JASMIN		
DENSITY 20°C (g/cm3)	1,000	0,996	1,008
REFRACTIVE INDEX 20°C	1,4592	1,4540	1,4650
PURITY AS ISOMERS SUM (%)	98.27	96,00	

### OTHER INFORMATION

REACH: 01-2119493355-31

This certificate has been processed informatically and is not signed.

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# MYSTIC MOMENTS

## GMO CERTIFICATE

Product: **HEDIONE**

We hereby confirm the above mentioned product is not derived from genetically modified starting raw materials, or additives that are derived from genetically modified organisms, and do not contain detectable levels of genetically modified materials (known as PCR negative).

Therefore it is exempt from the requirements of EU Regulations 1829/2003EC and 1830/2003/EC.

28/01/2019

The information provided in this document is based within the present knowledge of the supplier. The declaration of ingredients / substances is in accordance with impurities higher than 0,01%, and do not replace analytical determinations in the material (as it could have traces of impurities not intentionally added). This document has been issued by our computer system and has, therefore, not been signed.

# MYSTIC MOMENTS

## CERTIFICATE OF CONFORMITY TO THE IFRA STANDARDS

Product : **Hedione**  
CAS : 24851-98-7  
Reference : 100616600

We certify that the above-mentioned product has been assessed according to the most recent Amendment (51st, June 30th, 2023) of the IFRA Code of Practice, and the concentration levels listed below are the maximum dosage allowed in each IFRA category:

Application	Maximum level of use (%)
Category 1	100.000
Category 2	100.000
Category 3	100.000
Category 4	100.000
Category 5A	100.000
Category 5B	100.000
Category 5C	100.000
Category 5D	100.000
Category 6	100.000
Category 7A	100.000
Category 7B	100.000
Category 8	100.000
Category 9	100.000
Category 10A	100.000
Category 10B	100.000
Category 11A	100.000
Category 11B	100.000
Category 12	100.000

Ingredients - substances subject to restrictions:

Ingredients - substances subject to specifications:

Substances subject to prohibition:

This version of the certificate has been prepared with the information and data available at the time of its generation. The information provided herein is based on internal measurements, data obtained from our suppliers or bibliographic sources. The declaration of substances is in accordance with impurities higher than 0.001%, and does not replace analytical determinations in the material (as it could contain traces of impurities not intentionally added). This is a

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computer-generated document and therefore not signed.

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## CERTIFICATE OF CONFORMITY TO THE IFRA STANDARDS

IFRA Cat.	Finished Product Type (QRA)
1	Lip products of all types (solid and liquid lipsticks, balms, clear or colored, etc.)   Children's toys
2	Deodorant and antiperspirant products of all types including any product with intended or reasonably foreseeable use on the axillae or labelled as such (spray, stick, roll-on, under-arm, deo-cologne and body spray, etc.)   Body sprays (including body mist)
3	Eye products of all types (eye shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.) including eye care and moisturize   Facial make up and foundation   Make-up remover for face and eyes   Nose pore strips   Wipes or refreshing tissues for face, neck, hands, body   Body and face paint (for children and adults)   Facial masks for face and around the eyes
4	Hydroalcoholic and non-hydroalcoholic fine fragrance of all types Eau de Toilette, Parfum, Cologne, solid perfume, fragancing cream, etc.), aftershaves of all types (except creams and balms)   Fragranced bracelets   Ingredients of perfume kits and fragrance mixtures for cosmetic kits   Scent pads, foil packs   Scent strips for hydroalcoholic products
5.A	Body creams, oils, lotions of all types   Foot care products (creams & powders)   Insect repellent (intended to be applied to the skin)   All powders and talcs (excluding baby powders and talcs)
5.B	Face toner   Facial moisturizers and creams (including care products for beard and mustache)
5.C	Hand cream   Nail care products including cuticle creams, nail lacquer remover, etc.   Hand sanitizers
5.D	Baby cream/lotion, baby oil, baby powders and talcs
6	Toothpaste   Mouthwash, including breath sprays   Toothpowder, strips, mouthwash tablets
7.A	Hair permanent or other hair chemical treatments (rinse-off) (e.g., relaxers), including rinse-off hair dyes
7.B	Hair sprays of all types (pumps, aerosol sprays, etc.)   Hair styling aids non sprays (mousse, gels, leave on conditioners)   Hair permanent or other hair chemical treatments (leave-on) (e.g., relaxers), including leave-on hair dyes   Shampoo - Dry (waterless shampoo)   Hair deodorizer, hair perfume
8	Intimate wipes   Intimate deodorant spray   Tampons   Baby wipes   Toilet paper (wet)
9	Bar soap   Shampoo of all type   Cleanser for face (rinse-off)   Conditioner (rinse-off)   Liquid soap   Body washes and shower gels of all types   Baby wash, bath, shampoo   Bath gels, foams, mousses, salts, oils and other products added to bathwater (such as bath bombs)   Foot care products (feet are placed in a bath for soaking)   Shaving creams of all types (stick, gels, foams, etc.)   All depilatories (including facial) and waxes for mechanical hair removal   Shampoos for pets
10.A	Hand wash laundry detergent (including concentrates)   Laundry pre-treatment of all types (e.g. paste, sprays, sticks)   Hand dishwashing detergent (including concentrates)   Hard surface cleaners of all types (bathroom and kitchen cleansers, furniture polish, etc.)   Machine laundry detergents with skin contact (e.g. liquids, powders) including concentrates   Toilet seat wipes   Fabric softeners of all types excluding fabric softener sheets   Household cleaning products, other types including fabric cleaners, soft surface cleaners, carpet cleaners, furniture polishes sprays and wipes, leather cleaning wipes, stain removers, fabric enhancing sprays, treatment products for textiles (e.g., starch sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics)   Floor wax   Fragranced oil for lamp ring, reed diffusers, pot-pourri, liquid refills for air fresheners (non-cartridge systems), etc.   Ironing water (Odorized distilled water)   Dry cleaning kits (involving manual application on the textile)
10.B	Animal sprays – sprays applied to animals of all types   Air freshener sprays, manual, including aerosol and pump   Aerosol/spray insecticides
11.A	Feminine hygiene conventional pads, liners, interlabial pads   Baby diapers   Incontinence pant, pad   Toilet paper (dry)
11.B	Tights with moisturizers   Scented socks, gloves   Facial tissues (dry tissues)   Napkins   Pillow spray   Paper towels   Wheat bags   Facial masks (paper/protective) e.g. surgical masks not used as medical device   Fertilizers, solid (pellet or powder)
12	Candles of all types (including encased)   Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods)   Automated air fresheners and fragancing of all types (concentrated aerosol with metered doses (range 0.05-0.5mL/spray), plug-ins, closed systems, solid substrate, membrane delivery, electrical, powders, fragancing sachets, incense, liquid refills (cartridge), air freshening crystals, solid non aerosol car diffuser)   Air delivery systems   Cat litter   Cell phone cases   Deodorizers/maskers not intended for skin contact (e.g., fabric drying machine deodorizers, carpet powders)   Dry cleaning kits (placed in the dryer)   Dryer sheets and fabric softener sheets   Fuels   Insecticides (e.g., mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays   Joss sticks or incense sticks   Dishwash detergent and deodorizers – for machine wash   Olfactive board games   Paints   Plastic articles (excluding toys)   Scratch and sniff   Scent pack   Scent delivery system (using dry air technology)   Shoe polishes   Rim blocks (toilet)   Toilet gel   Scent beads

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

## 1.1 Product identifier

Product : HEDIONE FG  
Chemical identification : Methyl 3-oxo-2-pentylcyclopentaneacetate  
CAS : 24851-98-7  
EC Number : 246-495-9  
Registration number (REACH) : 01-2119493355-31  
Index No. :

## 1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant identified uses of the substance or mixture: Industrial uses. Formulation [mixing] of preparations..

Uses advised against: Other uses than those recommended.

Registration type: Full

Exposure scenarios available by Einecs, if applicable, in reach.lluche.com

## 1.3 Details of the supplier of the safety data sheet

Madar Corporation Limited  
19 -20 Sandleheath Industrial Estate  
Fordingbridge  
SP6 1PA

## 1.4 Emergency telephone number

Tel. +44 (0)1425 655 555

## SECTION 2: Hazards identification

## 2.1 Classification of the substance or mixture

## Classification in accordance with Regulation (EC) No 1272/2008

This substance is not classified as dangerous according to Regulation (EC) No 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567.

## 2.2 Label elements

EC Number: 246-495-9  
Methyl 3-oxo-2-pentylcyclopentaneacetate

Signal word: -

This substance is not classified as dangerous according to Regulation (EC) No 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567.

## 2.3 Other hazards

Results of PBT and vPvB assessment

The product does not contain substances identified as PBT and/or vPvB in a concentration equal to or greater than 0,1 % (w/w).

Environmental endocrine disrupting properties.

The product does not contain substances identified as having environmental endocrine disrupting properties in a concentration equal to or greater than 0,1 % (w/w).

Human health endocrine disrupting properties.

The product does not contain substances identified as having human health endocrine disrupting properties in a concentration equal to or greater than 0,1 % (w/w).

## SECTION 3: Composition/information on ingredients

## 3.1 Substances

Concentration range of the constituent (% weight/weight)	EC number / Registration number	CAS	Chemical name	Hazard Class and Category Code; Hazard statement codes
≥50% and ≤100	246-495-9 01-2119493355-31	24851-98-7	Methyl 3-oxo-2-pentylcyclopentaneacetate	-

19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK

Tel: 01425 655555 Email: technical@madarcorporation.co.uk

The chemical identity of any impurity, stabilising additive, or individual constituent other than the main constituent:

Concentration (%)	CAS	EC Number	Chemical name	Hazard Class and Category Code; Hazard statement codes
<0.50	1211-29-6	214-918-6	Methyl jasmonate	- [1]

[1] Constituent.

#### SECTION 4: First aid measures

##### 4.1 Description of first aid measures

Consumption: If swallowed, rinse mouth with water.  
Seek medical advice immediately and show this container or label.  
Keep the person at rest. Do NOT induce vomiting.

Eye contact: Contact lenses should be removed. Hold eyelids open and flush with copious amounts of clean, fresh water and seek medical advice.

Inhalation: Remove person to fresh air and keep at rest.

Skin contact: Remove contaminated clothing. Wash skin with mild soap and water, rinse abundantly. If symptoms persist, obtain medical attention.

##### 4.2 Most important symptoms and effects, both acute and delayed:

Read label before use. No additional information available.

##### 4.3 Indication of any immediate medical attention and special treatment needed

Not available.

#### SECTION 5: Firefighting measures

##### 5.1 Extinguishing media

Carbon dioxide, dry chemical powder or appropriate foam.

For safety reasons do not use full water jet.

##### 5.2 Special hazards arising from the substance or mixture

Not applicable.

##### 5.3 Advice for firefighters

In case of fire in the surrounding area, follow the recommendations below:

- 1-Closed containers may build up pressure at elevated temperatures.
- 2-Avoid inhalation of fumes or vapours. Use appropriate respiratory protection.
- 3-Prevent run-off from fire fighting to enter drains or water courses.

#### SECTION 6: Accidental release measures

##### 6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate gloves to prevent skin exposure.

Avoid breathing vapours. Use a suitable respiratory apparatus if necessary. Avoid contact with eyes and skin.

Maintain adequate ventilation in the working area after spilling.

##### 6.2 Environmental precautions

Avoid contaminating the environment via the sewers or water sources.

##### 6.3 Methods and material for containment and cleaning up

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash).

Ventilate area and wash spill site after material pickup is complete.

Dispose of in accordance with current laws and regulations.

##### 6.4 Reference to other sections

See also sections 8 and 13.

#### SECTION 7: Handling and storage

##### 7.1 Precautions for safe handling

Keep away from food, drink and animal feedingstuffs. Do not smoke.

Avoid contact with skin and eyes.

Handle in accordance with good industrial hygiene and safety practice.

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#### 7.2 Conditions for safe storage, including any incompatibilities

Keep the product in its original container well sealed, in a dry and ventilated area, away from potential sources of ignition and protected from light. Store in accordance with local/national regulations and follow the warnings on the label.

Keep away from incompatible substances (see section 10).

#### 7.3 Specific end use(s)

Not available.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Declaration of substances is not required.

#### 8.2 Exposure controls

Personal protection equipment: Appropriate personal protective equipment shall be worn in accordance with Regulation (EU) 2016/425.

Engineering Controls-Ventilation: The areas where the product is handled and stored should be adequately ventilated.

Respiratory Protection: Use personal breathing apparatus whenever deemed necessary.

Skin Protection: Avoid contact with skin. Wear suitable gloves (EN 374).

Eye/Face protection: Chemical safety goggles are recommended. Wash contaminated goggles before reuse.

Predicted No Effect Concentration (PNEC): Intermittent releases: 186 µg/L

Freshwater: 37.2 µg/L

Marine water: 3.72 µg/L

Sewage treatment plant (STP): 10 mg/L

Sediment (freshwater): 1897 µg/kg sediment dw

Sediment (marine water): 189.7 µg/kg sediment dw

Soil: 357.6 µg/kg soil dw

Derived no-effect level (DNEL): Worker. Inhalation. Systemic effects. Long term: 29.3 mg/m<sup>3</sup>

Worker. Inhalation. Systemic effects. Acute: no hazard identified

Worker. Inhalation. Local effects. Long term: no hazard identified

Worker. Inhalation. Local effects. Acute: no hazard identified

Worker. Dermal. Systemic effects. Long term: 9.04 mg/kg bw/day

Worker. Dermal. Systemic effects. Acute: no hazard identified

Worker. Dermal. Local effects. Long term: no hazard identified

Worker. Dermal. Local effects. Acute: no hazard identified

Worker. Eyes. Local effects. Acute: no hazard identified

General population. Inhalation. Systemic effects. Long term: 8.69 mg/m<sup>3</sup>

General population. Inhalation. Systemic effects. Acute: no hazard identified

General population. Inhalation. Local effects. Long term: no hazard identified

General population. Inhalation. Local effects. Acute: no hazard identified

General population. Dermal. Systemic effects. Long term: 5.43 mg/kg bw/day

General population. Dermal. Systemic effects. Acute: no hazard identified

General population. Dermal. Local effects. Long term: no hazard identified

General population. Dermal. Local effects. Acute: no hazard identified

General population. Oral. Systemic effects. Long term: 2.5 mg/kg bw/day

General population. Oral. Systemic effects. Acute: no hazard identified

General population. Eyes. Local effects. Acute: no hazard identified

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Appearance: LIQUID

Colour: COLORLESS - PALE YELLOW

Odour: FLORAL, JASMIN

Odour threshold: Not determined

pH value:

Evaporation rate: Not determined

Melting point: Not determined

Boiling point: > 300 °C

Flash point: 156 °C

Auto-ignition temperature: Not determined

Decomposition temperature: 19-20 Sandhanger Farm Estate, Fordingbridge, Hampshire, SP6 1PA, UK

Tel: 01425 655555 Email: technical@madarcorporation.co.uk



Vapour pressure:	Not determined
Vapour density:	Not determined
Density:	0.996 - 1.008 g/cm <sup>3</sup> (20 °C)
Water solubility:	Not determined
Partition coefficient: n-octanol/water:	Not determined
Viscosity:	Not determined
Kinematic viscosity:	Not determined
Oxidising properties:	Not available.
Explosive properties:	Not available.
Lower explosive limit:	Not determined
Upper explosive limit:	Not determined

#### 9.2 Other information

Additional information: Not applicable.

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

Not available.

#### 10.2 Chemical stability

Stable under normal operating conditions.

#### 10.3 Possibility of hazardous reactions

Hazardous Polymerization: It does not undergo any dangerous reactions under normal conditions.

#### 10.4 Conditions to avoid

Handle in accordance with good industrial hygiene and safety practice.

#### 10.5 Incompatible materials

Oxidizing mineral acids, strong reducing agents, strong oxidizing agents.

#### 10.6 Hazardous decomposition products

Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

### SECTION 11: Toxicological information

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity (LD50):	Not classified for acute toxicity based on available data.
Acute dermal toxicity (LD50):	Not classified for acute toxicity based on available data.
Acute Inhalation toxicity (LC50 Gas):	Not classified for acute toxicity based on available data.
Acute Inhalation toxicity (LC50 Dusts and Mists):	Not classified for acute toxicity based on available data.
Acute Inhalation toxicity (LC50 Vapours):	Not classified for acute toxicity based on available data.
Skin Irritation:	Non irritating
Serious eye damage/irritation:	Not considered an ocular irritant

See also sections 2 and 3.

#### 11.2 Information on other hazards:

Endocrine disrupting properties.:

The product does not contain substances identified as having human health endocrine disrupting properties in a concentration equal to or greater than 0,1 % (w/w).

### SECTION 12: Ecological information

#### 12.1 Toxicity

Acute aquatic toxicity: Not determined

Chronic aquatic toxicity: Not determined

See also sections 2 and 3.

#### 12.2 Biodegradation:

Readily biodegradable (89%, 28 days)

#### 12.3 Bioaccumulative potential:

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Tel: 01425 655555 Email: technical@madarcorporation.co.uk

Not determined

**12.4 Mobility in soil:**

Not available.

**12.5 Results of PBT and vPvB assessment:**

The product does not contain substances identified as PBT and/or vPvB in a concentration equal to or greater than 0,1 % (w/w).

**12.6 Endocrine disrupting properties.:**

The product does not contain substances identified as having environmental endocrine disrupting properties in a concentration equal to or greater than 0,1 % (w/w).

**12.7 Other adverse effects:**

Not available.

Do not allow the material to enter streams, sewers or other waterways.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Container disposal: Do not reuse empty containers.

Disposal conditions: Dispose of in accordance with all state and local environmental regulations. This material and its container must be disposed of in a safe way.

**SECTION 14: Transport information****International Carriage of Dangerous Goods by Road (ADR)**

14.1 UN No.:	Not applicable
14.2 Proper Shipping Name:	Not subject to ADR.
14.3 Class:	-
14.4 Packing Group:	-
14.6 Special precautions for user:	
Tunnel restriction code:	-
Label:	-

**Sea Transport (IMDG)**

14.1 UN No.:	Not applicable
14.2 Proper Shipping Name:	Not restricted.
14.3 Class:	-
14.4 Packing Group:	-
14.5 Marine Pollutant:	No
14.6 Special precautions for user:	
IMDG-Code segregation group:	-
EmS:	
Label:	-

**Air Transport (ICAO/IATA)**

14.1 UN No.:	Not applicable
14.2 Proper Shipping Name:	Not restricted.
14.3 Class:	-
14.4 Packing Group:	-
14.6 Special precautions for user:	
Passenger aircraft:	ACCEPTED
Cargo aircraft:	ACCEPTED

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental** 10-20 Regulations/legislation specific to the substance or mixture  
10-20 Regulations/legislation specific to the substance or mixture  
Tel: 01425 655555 Email: technical@madarcorporation.co.uk

Substances of very high concern:

The product does not contain substances included in the Substances of Very High Concern list (> 0,1 % w/w).

#### 15.2 Chemical safety assessment

Not available.

#### SECTION 16: Other information

This material should only be used for industrial purposes.

Key literature references and sources for data:

1. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
2. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
3. EH40/2005. Workplace exposure limits with amendments.

Replaces version:6 (17/03/2021)

Reason for Change: Adjustment to Regulation (EU) 2020/878.

*Information in this SDS is from available published sources and is believed to be accurate. No warranty, express or implied, is made and our company assumes no liability resulting from the use of this SDS. This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment and must determine suitability of this information for his application.*

# MYSTIC MOMENTS

## TECHNICAL DATA SHEET

**DATE:** 18.09.2023  
**PRODUCT:** HEDIONE FG

**CAS-EINECS** 24851-98-7  
**CAS N°** 24851-98-7  
**CHEMICAL IDENTIFICATION** Methyl 3-oxo-2-pentylcyclopentaneacetate  
**FEMA** 3408  
**INDEX NUM. / INVENTORY NUM.** -  
**EINECS / ELINCS** 246-495-9  
**FLASH POINT** 156°C  
**BOILING POINT** >300°C (1013 HPA)  
**FORMULA** C13 H22 O3  
**M.W.** 226,3

### ORGANOLEPTIC PROPERTIES

**APPEARANCE** LIQUID  
**COLOUR** COLORLESS - PALE YELLOW  
**ODOUR** FLORAL, JASMIN

### CHEMICAL AND PHYSICAL PROPERTIES

	<b>MIN</b>	<b>MAX</b>
<b>DENSITY 20°C (g/cm3)</b>	0,996	1,008
<b>REFRACTIVE INDEX 20°C</b>	1,4540	1,4650
<b>PURITY AS ISOMERS SUM (%)</b>	96,00	

STORAGE CONDITIONS: It is recommended to store away from direct light in full sealed containers in a dry and well ventilated area.

# MYSTIC MOMENTS

## **VEAGAN DECLARATION**

PRODUCT: **HEDIONE**

We hereby confirm the above mentioned product, is suitable for vegan consumption.

(The information provided in this document is based within the present knowledge of the supplier and/or Lluch Essence. This document has been issued by our computer system and has, therefore, not been signed.)

(It is the responsibility of the user to assure that the food legislative application of the flavor in the specific food is covered by the applied laws and regulations in the versions valid at the time of delivery.)

28/01/2019