

HEDIONE© HC 947325 - W08040



## SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

### SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

CAS: 24851-98-7  
EC: 246-495-9  
REACH: 01-2119493355-31

Product name : HEDIONE© HC 947325

Product code : W08040.

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

Use of the substance/mixture: Raw material used in perfumery preparations.

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

Registered company name : Firmenich Grasse SAS.

Address : Parc Industriel Les Bois de Grasse 106 Avenue Louison Bobet.06130.GRASSE.FRANCE.

Telephone : Tel: +33 (0)4 93 70 80 80. Fax : .

GRS.EU.FRAGRANCE.EXPERTS@firmenich.com

Distributor : BLH s.a.s.

Address : ZAC du Pilon - 06460 SAINT VALLIER DE THIEY

Tel : 04 92 60 35 60 - Fax : 04 92 60 35 69

Website : www.blhsas.com

#### 1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

Association/Organisation : INRS / ORFILA <http://www.centres-antipoison.net>.

### SECTION 2 : HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

##### In compliance with EC regulation No. 1272/2008 and its amendments.

This substance does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This substance does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

This substance does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

#### 2.2. Label elements

##### In compliance with EC regulation No. 1272/2008 and its amendments.

No labelling requirements for this substance.

#### 2.3. Other hazards

The substance does not fulfil the PBT or vPvP criteria in accordance with annexe XIII of the REACH regulations EC 1907/2006.

### SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substances

##### Composition :

Identification	Classification (EC) 1272/2008	Note	%
CAS: 24851-98-7 EC: 246-495-9 REACH: 01-2119493355-31  HEDIONE			95-100

### SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

#### 4.1. description of first aid measures

##### In the event of swallowing :

Seek medical attention, showing the label.

**HEDIONE® HC 947325 - W08040**

**4.2. Most important symptoms and effects, both acute and delayed**

No data available.

**4.3. Indication of any immediate medical attention and special treatment needed**

No data available.

**SECTION 5 : FIREFIGHTING MEASURES**

Non-flammable.

**5.1. Extinguishing media**

**5.2. Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

**5.3. Advice for firefighters**

No data available.

**SECTION 6 : ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency procedures**

Consult the safety measures listed under headings 7 and 8.

**For first aid worker**

First aid workers will be equipped with suitable personal protective equipment (See section 8).

**6.2. Environmental precautions**

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

**6.3. Methods and material for containment and cleaning up**

Clean preferably with a detergent, do not use solvents.

**6.4. Reference to other sections**

No data available.

**SECTION 7 : HANDLING AND STORAGE**

Requirements relating to storage premises apply to all facilities where the substance is handled.

**7.1. Precautions for safe handling**

Always wash hands after handling.

**Fire prevention :**

Prevent access by unauthorised personnel.

**Recommended equipment and procedures :**

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

**Prohibited equipment and procedures :**

No smoking, eating or drinking in areas where the substance is used.

**7.2. Conditions for safe storage, including any incompatibilities**

No data available.

**Packaging**

Always keep in packaging made of an identical material to the original.

**7.3. Specific end use(s)**

No data available.

**>SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

No data available.

**> Derived no effect level (DNEL) or derived minimum effect level (DMEL):**

HEDIONE (CAS: 24851-98-7)

## HEDIONE© HC 947325 - W08040

>	<b>Final use:</b>	<b>Workers.</b>
	Exposure method:	Dermal contact.
	Potential health effects:	Long term systemic effects.
	DNEL :	9.04 mg/kg body weight/day
	Exposure method:	Inhalation.
	Potential health effects:	Long term systemic effects.
	DNEL :	29.3 mg of substance/m3
>	<b>Final use:</b>	<b>Consumers.</b>
	Exposure method:	Ingestion.
	Potential health effects:	Long term systemic effects.
	DNEL :	2.5 mg/kg body weight/day
	Exposure method:	Dermal contact.
	Potential health effects:	Long term systemic effects.
	DNEL :	5.43 mg/kg body weight/day
	Exposure method:	Inhalation.
	Potential health effects:	Long term systemic effects.
	DNEL :	8.69 mg of substance/m3

|> **Predicted no effect concentration (PNEC):**

HEDIONE (CAS: 24851-98-7)	
Environmental compartment:	Soil.
PNEC :	357.6 µg/l
Environmental compartment:	Fresh water.
PNEC :	37.2 µg/l
Environmental compartment:	Sea water.
PNEC :	3.72 µg/l
Environmental compartment:	Fresh water sediment.
PNEC :	1897 µg/kg
Environmental compartment:	Marine sediment.
PNEC :	189.7 µg/kg
Environmental compartment:	Waste water treatment plant.
PNEC :	10 mg/l

**8.2. Exposure controls****Personal protection measures, such as personal protective equipment**

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

**- Eye / face protection**

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

**- Hand protection**

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

- PVA (Polyvinyl alcohol)

**- Body protection**

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

## >SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

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

#### Physical state

Physical state : Fluid liquid.

#### Colour

Unspecified

#### Odour

Odour threshold : Not stated.

#### Melting point

Melting point/melting range : < 20 °C (OECD 102)

#### Freezing point

Freezing point / Freezing range : Not stated.

#### Boiling point or initial boiling point and boiling range

Boiling point/boiling range : = 302.2 °C (OECD 103)

#### Flammability

Flammability (solid, gas) : Not stated.

#### Lower and upper explosion limit

Explosive properties, lower explosivity limit (%) Not stated.

:

Explosive properties, upper explosivity limit (%) Not stated.

:

#### Flash point

Flash Point : 148.00 °C.

#### Auto-ignition temperature

Self-ignition temperature : 259 °C.

#### Decomposition temperature

Decomposition point/decomposition range : Not specified.

#### pH

pH : Not relevant.

pH (aqueous solution) : Not stated.

#### Kinematic viscosity

Viscosity : = 10.788 mPa.s 20°C

#### Solubility

Water solubility : Insoluble.

Fat solubility : Not stated.

#### Partition coefficient n-octanol/water (log value)

Partition coefficient: n-octanol/water : Log Kow = 2.93 (OECD 107)

#### Vapour pressure

Vapour pressure (50°C) : Not relevant.

#### Density and/or relative density

Density : CoA

#### Relative vapour density

Vapour density : Not stated.

#### > Particle characteristics

The substance does not contain nanoforms.

#### 9.2. Other information

No data available.

#### 9.2.1. Information with regard to physical hazard classes

No data available.

#### 9.2.2. Other safety characteristics

No data available.

## HEDIONE© HC 947325 - W08040

## SECTION 10 : STABILITY AND REACTIVITY

**10.1. Reactivity**

No data available.

**10.2. Chemical stability**

This substance is stable under the recommended handling and storage conditions in section 7.

**10.3. Possibility of hazardous reactions**

No data available.

**10.4. Conditions to avoid**

No data available.

**10.5. Incompatible materials**

Keep away from :

- oxidising agents

**10.6. Hazardous decomposition products**

The thermal decomposition may release/form :

- carbon monoxide (CO)

- carbon dioxide (CO<sub>2</sub>)

## &gt;SECTION 11 : TOXICOLOGICAL INFORMATION

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

No data available.

**11.1.1. Substances**> **Acute toxicity :**

HEDIONE (CAS: 24851-98-7)

Oral route :

LD50 > 5000 mg/kg bodyweight/day

Species : Rat

Dermal route :

LD50 > 5000 mg/kg bodyweight/day

Species : Rabbit

**Germ cell mutagenicity :**

HEDIONE (CAS: 24851-98-7)

Ames test (in vitro) :

Negative.

**11.2. Information on other hazards**

## SECTION 12 : ECOLOGICAL INFORMATION

**12.1. Toxicity****12.1.1. Substances**

HEDIONE (CAS: 24851-98-7)

Fish toxicity :

LC50 = 19 mg/l

Species : *Oryzias latipes*

Duration of exposure : 96 h

OECD Guideline 203 (Fish, Acute Toxicity Test)

Crustacean toxicity :

EC50 = 8.25 mg/l

Species : *Daphnia* sp.

Duration of exposure : 48 h

OECD Guideline 202 (*Daphnia* sp. Acute Immobilisation Test)

Algae toxicity :

ECr50 = 45.9 mg/l

Species : *Selenastrum capricornutum*

Duration of exposure : 72 h

OECD Guideline 201 (Alga, Growth Inhibition Test)

NOEC = 11.7 mg/l

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Duration of exposure : 72 h

**12.2. Persistence and degradability**

**12.2.1. Substances**

HEDIONE (CAS: 24851-98-7)  
Biodegradability :

Rapidly degradable.

**12.3. Bioaccumulative potential**

**12.3.1. Substances**

HEDIONE (CAS: 24851-98-7)  
Octanol/water partition coefficient :

log K<sub>ow</sub> = 2.93

**12.4. Mobility in soil**

No data available.

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

No data available.

**12.6. Endocrine disrupting properties**

No data available.

**12.7. Other adverse effects**

No data available.

**SECTION 13 : DISPOSAL CONSIDERATIONS**

Proper waste management of the substance and/or its container must be determined in accordance with Directive 2008/98/EC.

**13.1. Waste treatment methods**

Do not pour into drains or waterways.

**Waste :**

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

**Soiled packaging :**

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

**SECTION 14 : TRANSPORT INFORMATION**

Exempt from transport classification and labelling.

**14.1. UN number or ID number**

-

**14.2. UN proper shipping name**

-

**14.3. Transport hazard class(es)**

-

**14.4. Packing group**

-

**14.5. Environmental hazards**

-

**14.6. Special precautions for user**

-

**14.7. Maritime transport in bulk according to IMO instruments**

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## >SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### > Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2022/692 (ATP 18)

#### Container information:

No data available.

#### > Restrictions applied under Title VIII of Regulation (EC) No. 1907/2006 (REACH):

Substance not restricted under Annex XVII of Regulation (EC) no. 1907/2006 (REACH):  
<https://echa.europa.eu/substances-restricted-under-reach>.

#### > Explosives precursors :

The substance is not subject to Regulation (EU) 2019/1148 on the marketing and use of explosives precursors.

#### Particular provisions :

No data available.

### 15.2. Chemical safety assessment

No data available.

## >SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the substance and not as a guarantee of the properties thereof.

#### > Abbreviations and acronyms :

- LD50 : The dose of a test substance resulting in 50% lethality in a given time period.
  - LC50 : The concentration of a test substance resulting in 50% lethality in a given period.
  - EC50 : The effective concentration of substance that causes 50% of the maximum response.
  - ECr50 : The effective concentration of substance that causes 50% reduction in growth rate.
  - NOEC : The concentration with no observed effect.
  - REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.
  - DNEL : Derived No-Effect Level
  - PNEC : Predicted No-Effect Concentration
  - ADR : European agreement concerning the international carriage of dangerous goods by Road.
  - IMDG : International Maritime Dangerous Goods.
  - IATA : International Air Transport Association.
  - ICAO : International Civil Aviation Organisation
  - RID : Regulations concerning the International carriage of Dangerous goods by rail.
  - WGK : Wassergefährdungsklasse (Water Hazard Class).
  - PBT: Persistent, bioaccumulable and toxic.
  - vPvB : Very persistent, very bioaccumulable.
  - SVHC : Substances of very high concern.
- > Modification compared to the previous version