



## 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: 1205-17-0  
EC: 214-881-6  
REACH: 01-2120740119-58

Product name : HELIONAL™

Product code : H08030.

#### 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 : I.F.F. (Nederland) B.V. FRAGRANCE ING. (Hangzhou).

Address : .5048.AN TILBURG..

Telephone : +31134642211. Fax : +31134636032.

sds@iff.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.

Skin sensitisation, Category 1 (Skin Sens. 1, H317).

Reproductive toxicity, Category 2 (Repr. 2, H361).

Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).

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

#### 2.2. Label elements

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

Hazard pictograms :



GHS07



GHS08



GHS09

Signal Word :

WARNING

Product identifiers :

EC 214-881-6

ALPHA-MÉTHYL-1,3-BENZODIOXOLE-5-PROPIONALDÉHYDE

Hazard statements :

H317

May cause an allergic skin reaction.

H361

Suspected of damaging fertility or the unborn child .

H411

Toxic to aquatic life with long lasting effects.

Precautionary statements - Prevention :

P201

Obtain special instructions before use.

P261

Avoid breathing dust/fume/gas/mist/vapours/spray.

P273

Avoid release to the environment.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response :

P308 + P313

IF exposed or concerned: Get medical advice/attention.

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P362 + P364

Take off contaminated clothing and wash it before reuse.

**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	(EC) 1272/2008	Note	%
CAS: 1205-17-0 EC: 214-881-6 REACH: 01-2120740119-58  ALPHA-MÉTHYL-1,3-BENZODIOXOLE-5-PR OPIONALDÉHYDE	GHS09, GHS07, GHS08 Wng Skin Sens. 1, H317 Repr. 2, H361 Aquatic Chronic 2, H411	[2]	90-100

**> Specific concentration limits:**

Identification	Specific concentration limits	ATE
CAS: 1205-17-0 EC: 214-881-6 REACH: 01-2120740119-58  ALPHA-MÉTHYL-1,3-BENZODIOXOLE-5-PR OPIONALDÉHYDE		oral: ATE = 3362 mg/kg BW

**Information on ingredients :**

[2] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

**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 splashes or contact with skin :**

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of an allergic reaction, seek medical attention.

If the contaminated aera is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

**In the event of swallowing :**

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Seek medical attention immediately, showing the label.

**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****Suitable methods of extinction**

In the event of a fire, use :

- carbon dioxide (CO2)
- powder
- foam

**Unsuitable methods of extinction**

In the event of a fire, do not use :

- water jet

**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 non first aid worker

Avoid any contact with the skin and eyes.

#### 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.

Individuals with a history of skin sensitisation should not, under any circumstance, handle this substance.

Avoid exposure to pregnant women and warn women of child-bearing age of the possible risks

### 7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

#### 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.

Avoid exposure - obtain special instructions before use.

#### 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):

ALPHA-MÉTHYL-1,3-BENZODIOXOLE-5-PROPIONALDÉHYDE (CAS: 1205-17-0)

##### Final use:

Exposure method:

Potential health effects:

DNEL :

Exposure method:

##### Workers.

Dermal contact.

Long term systemic effects.

0.17 mg/kg body weight/day

Dermal contact.

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Potential health effects: DNEL :	Long term local effects. 0.01 mg of substance/cm2
Exposure method: Potential health effects: DNEL :	Inhalation. Long term systemic effects. 1.2 mg of substance/m3
<b>Final use:</b> Exposure method: Potential health effects: DNEL :	<b>Consumers.</b> Ingestion. Long term systemic effects. 0.17 mg/kg body weight/day
Exposure method: Potential health effects: DNEL :	Dermal contact. Long term systemic effects. 0.083 mg/kg body weight/day
Exposure method: Potential health effects: DNEL :	Dermal contact. Long term local effects. 0.005 mg of substance/cm2
Exposure method: Potential health effects: DNEL :	Inhalation. Long term systemic effects. 0.29 mg of substance/m3

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

ALPHA-MÉTHYL-1,3-BENZODIOXOLE-5-PROPIONALDÉHYDE (CAS: 1205-17-0)

Environmental compartment: PNEC :	Soil. 0.008 mg/kg
Environmental compartment: PNEC :	Fresh water. 0.005 mg/l
Environmental compartment: PNEC :	Sea water. 0.001 mg/l
Environmental compartment: PNEC :	Fresh water sediment. 0.057 mg/kg
Environmental compartment: PNEC :	Marine sediment. 0.006 mg/kg
Environmental compartment: PNEC :	Waste water treatment plant. 10 mg/l

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

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



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.

**HELIONAL™ - H08030****> - Hand protection**

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

**- Body protection**

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605/A1 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034/A1 to prevent skin contact.

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 : Not specified.

**> Freezing point**

Freezing point / Freezing range : Not stated.

**> Boiling point or initial boiling point and boiling range**

Boiling point/boiling range : Not specified.

**> 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 : 100.00 °C.

**Auto-ignition temperature**

Self-ignition temperature : Not specified.

**Decomposition temperature**

Decomposition point/decomposition range : Not specified.

**> pH**

pH : Not relevant.

pH (aqueous solution) : Not stated.

**> Kinematic viscosity**

Viscosity : Not stated.

**> Solubility**

Water solubility : Insoluble.

Fat solubility : Not stated.

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

Partition coefficient: n-octanol/water : log Pow: 1,368

**Vapour pressure**

Vapour pressure (50°C) : Not relevant.

**Density and/or relative density**

Density : CoA

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▷ **Relative vapour density**

Vapour density : Not stated.

**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.

**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**

Avoid :  
- heat

**10.5. Incompatible materials**

Keep away from :  
- strong acids  
- alkalis  
- oxidising agents

**10.6. Hazardous decomposition products**

The thermal decomposition may release/form :  
- carbon monoxide (CO)  
- carbon dioxide (CO<sub>2</sub>)

**SECTION 11 : TOXICOLOGICAL INFORMATION**

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

May cause an allergic reaction by skin contact.  
Suspected human reproductive toxicant.

**11.1.1. Substances**

▷ **Acute toxicity :**

ALPHA-MÉTHYL-1,3-BENZODIOXOLE-5-PROPIONALDÉHYDE (CAS: 1205-17-0)

Oral route : LD50 = 3362 mg/kg  
Species : Rat

Dermal route : LD50 > 2000 mg/kg  
Species : Rabbit

**11.2. Information on other hazards**

**SECTION 12 : ECOLOGICAL INFORMATION**

Toxic to aquatic life with long lasting effects.  
The product must not be allowed to run into drains or waterways.

**12.1. Toxicity**

**12.1.1. Substances**

ALPHA-MÉTHYL-1,3-BENZODIOXOLE-5-PROPIONALDÉHYDE (CAS: 1205-17-0)

Fish toxicity : LC50 = 5.3 mg/l  
Species : *Oncorhynchus mykiss*  
Duration of exposure : 96 h  
OECD Guideline 203 (Fish, Acute Toxicity Test)

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Crustacean toxicity :	EC50 = 8.3 mg/l Duration of exposure : 48 h
Algae toxicity :	ECr50 = 28 mg/l Duration of exposure : 72 h OECD Guideline 201 (Alga, Growth Inhibition Test)

**12.2. Persistence and degradability**

**12.2.1. Substances**

ALPHA-MÉTHYL-1,3-BENZODIOXOLE-5-PROPIONALDÉHYDE (CAS: 1205-17-0)

Biodegradability : Non-rapidly degradable.

**12.3. Bioaccumulative potential**

No data available.

**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, preferably 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**

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2021 - IMDG 2020 [40-20] - ICAO/IATA 2022 [63]).

**14.1. UN number or ID number**

3082

**14.2. UN proper shipping name**

UN3082=ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(alpha-méthyl-1,3-benzodioxole-5-propionaldéhyde)

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

- Classification :



9

**14.4. Packing group**

III

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**14.5. Environmental hazards**

- Environmentally hazardous material :

**14.6. Special precautions for user**

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	9	M6	III	9	90	5 L	274 335 375 601	E1	3	-

Not subject to this regulation if Q ≤ 5 l / 5 kg (ADR 3.3.1 - DS 375)

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation
	9	-	III	5 L	F-A, S-F	274 335 969	E1	Category A	-

Not subject to this regulation if Q ≤ 5 l / 5 kg (IMDG 3.3.1 - 2.10.2.7)

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	9	-	III	964	450 L	964	450 L	A97 A158 A197 A215	E1
	9	-	III	Y964	30 kg G	-	-	A97 A158 A197 A215	E1

Not subject to this regulation if Q ≤ 5 l / 5 kg (IATA 4.4.4 - DS A197)

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

Marine pollutant (IMDG 3.1.2.9):(alpha-méthyl-1,3-benzodioxole-5-propionaldéhyde)

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

No data available.

**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. 2021/643 (ATP 16)

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2021/849 (ATP 17)

**> - Container information:**

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

**- 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.

**Wording of the phrases mentioned in section 3 :**

H317	May cause an allergic skin reaction.
H361	Suspected of damaging fertility or the unborn child .
H411	Toxic to aquatic life with long lasting effects.

**> Abbreviations :**

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.

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ECr50 : The effective concentration of substance that causes 50% reduction in growth rate.

REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.

ATE : Acute Toxicity Estimate

BW : Body Weight

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

CMR: Carcinogenic, mutagenic or reprotoxic.

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).

GHS07 : Exclamation mark

GHS08 : Health hazard

GHS09 : Environment

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.

▷ Modification compared to the previous version