SAFETY DATA SHEET (SDS)

Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) 2020/878 and GHS.4.0/GHS/EN

Helional® IFF

SECTION 1: IDENTIFICATION

1.1 Product Identifier

Parameter	Details
Trade Name	Helional® IFF
Substance Name	HELIONAL
CAS Number	1205-17-0
EC Number	214-881-6

1.2 Relevant Identified Uses

Raw material for the manufacture of fragrances and/or flavourings.

1.3 Supplier Details

AROMOLOGY TRADING LLC
G05 Alghazal Building
Nadd Al Hamar, Dubai, United Arab Emirates

Email: info@aromology.com
Website: www.aromology.com

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance

Hazard Classification	Category	Hazard Code
Acute Toxicity (Oral)	Category 5	H303
Skin Sensitisation	Category 1B	H317
Reproductive Toxicity	Category 2	H361
Hazardous to Aquatic Environment – Acute	Category 2	H401
Hazardous to Aquatic Environment – Chronic	Category 2	H411

2.2 Label Elements

Signal Word: Warning

Hazard Statements

H303: May be harmful if swallowed.
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

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352+P333+P313: IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
P312: Call a POISON CENTER or doctor/physician if you feel unwell.

2.3 Other Hazards

No additional hazards identified.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Parameter	Details
Chemical Name	HELIONAL
CAS Number	1205-17-0
EC Number	214-881-6

Hazardous Constituent

Chemical Name	Concentration (% w/w)	CAS Number	EC Number
ALPHA-METHYL-3,4-METHYLENDIOXYHIDROCINNAMALDEHYDE	≥50	1205-17-0	214-881-6

Classification: Acute Toxicity Category 5 (oral) – H303; Skin Sensitisation Category 1B – H317; Reproductive Toxicity Category 2 – H361; Aquatic Acute Category 2 – H401; Aquatic Chronic Category 2 – H411.

3.2 Mixtures

Not applicable.

SECTION 4: FIRST-AID MEASURES

4.1 Description of First-Aid Measures

Ingestion: Rinse mouth with water. Obtain medical advice. Keep at rest. Do not induce vomiting.
Eye Contact: Immediately rinse with plenty of water for at least 15 minutes and seek medical advice.
Inhalation: Remove the affected person to fresh air and keep at rest. Seek immediate medical advice.
Skin Contact: Immediately remove contaminated clothing. Thoroughly wash affected skin with soap and water. Seek medical attention if symptoms persist.

4.2 Most Important Symptoms and Effects
No information available.

4.3 Immediate Medical Attention and Special Treatment
No information available.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable: Water spray, carbon dioxide, dry chemical powder or appropriate foam.
Unsuitable: Full water jet.

5.2 Special Hazards

Emits toxic fumes under fire conditions.

5.3 Advice for Firefighters

High temperatures can cause pressure increases inside closed containers.
Avoid inhalation of vapours and use appropriate respiratory protection.
Prevent firefighting runoff from entering drains or watercourses.
Wear self-contained breathing apparatus and protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions

Evacuate surrounding areas.
Ensure adequate ventilation.
Keep unnecessary and unprotected personnel away.
Avoid breathing vapour or spray.
Avoid contact with skin and eyes.

6.2 Environmental Precautions

Do not discharge into drains, surface water or groundwater.

6.3 Containment and Cleaning

Cover spills with inert, inorganic, non-combustible absorbent material, such as dry lime, sand or soda ash.
Collect using non-sparking tools and place in covered containers.
Move containers outdoors.
Avoid open flames and ignition sources.
Ventilate the area and wash the spill site after collection.

6.4 References

See Sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Safe Handling

Do not store or handle near food or drinking water.
Do not smoke.
Avoid contact with eyes, skin and clothing.
Wear protective clothing and safety glasses.
Observe workplace safety and hygiene procedures.
Keep in the original container or an alternative container made from compatible material.

7.2 Storage Conditions

Store in tightly closed, preferably full containers in a cool, dry, ventilated area protected from light.
Keep away from hot surfaces, sparks, flames, static discharges and other ignition sources.
Keep away from incompatible materials listed in Section 10.

7.3 Specific End Uses

No information available.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Occupational exposure limits: None known.

8.2 Exposure Controls

Prevent splashing onto the body.
Provide adequate ventilation according to conditions of use.
Use mechanical exhaust ventilation where required.

8.3 Personal Protective Equipment

Protection	Requirement
Eye / Face Protection	Chemical safety goggles
Hand Protection	Chemical-resistant gloves
Body Protection	Protective equipment appropriate to the task and risks
Respiratory Protection	Suitable respiratory equipment if ventilation is insufficient
Environmental Controls	Check ventilation and process emissions for compliance with environmental legislation

Wash contaminated gloves and goggles before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Manufacturer's Information
Appearance	Liquid
Colour	Conforms to standard
Odour	Conforms to standard
Odour Threshold	Not determined
pH	Not determined
Melting Point / Freezing Point	Not determined
Boiling Point / Boiling Range	Not determined
Flash Point	110°C
Evaporation Rate	Not determined
Flammability	Not determined
Lower Flammability / Explosive Limit	Not determined
Upper Flammability / Explosive Limit	Not determined
Vapour Pressure	Not determined
Vapour Density	Not determined
Density at 20°C	1.159–1.167 g/mL
Relative Density at 20°C	1.159–1.167
Water Solubility	Essentially insoluble in water
Solubility in Other Solvents	Soluble in ethanol
Partition Coefficient (n-Octanol/Water)	Not determined
Auto-Ignition Temperature	Not determined
Decomposition Temperature	Not determined
Dynamic Viscosity	Not determined
Kinematic Viscosity	Not determined
Explosive Properties	Not determined
Oxidising Properties	None expected

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity
No hazardous reactions if stored and handled as prescribed.

10.2 Chemical Stability
Stable under prescribed storage and handling conditions.

10.3 Possibility of Hazardous Reactions
No hazardous reactions if stored and handled as prescribed.

10.4 Conditions to Avoid
Excessive heat, flames and other ignition sources.

10.5 Incompatible Materials
Strong acids, bases and oxidising agents.

10.6 Hazardous Decomposition Products
Combustion may produce carbon monoxide and unidentified organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Parameter	Manufacturer's Assessment
Acute Toxicity	May be harmful if swallowed
Skin Corrosion / Irritation	Classification criteria not met based on available data
Serious Eye Damage / Irritation	Classification criteria not met based on available data
Respiratory or Skin Sensitisation	May cause an allergic skin reaction
Germ Cell Mutagenicity	Classification criteria not met based on available data
Carcinogenicity	Classification criteria not met based on available data
Reproductive Toxicity	Suspected of damaging fertility or the unborn child
STOT – Single Exposure	Classification criteria not met based on available data
STOT – Repeated Exposure	Classification criteria not met based on available data
Aspiration Hazard	Classification criteria not met based on available data

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SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxic to aquatic life with long-lasting effects.
Experimental/calculated data: No information available.

12.2 Persistence and Degradability

The product is inherently biodegradable.
Biodegradation: 100% (OECD 310).

12.3 Bioaccumulative Potential
No information available.

12.4 Mobility in Soil
No information available.

12.5 Other Adverse Effects

Do not allow the material to enter wastewater or waterways.
See Sections 6, 7, 13 and 15.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Dispose of in accordance with national and local environmental regulations.

SECTION 14: TRANSPORT INFORMATION

Parameter	ADR/RID/ADN	IMDG	IATA-ICAO
UN Number	UN3082	UN3082	UN3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.	Environmentally Hazardous Substance, Liquid, N.O.S.	Environmentally Hazardous Substance, Liquid, N.O.S.
Technical Name	ALPHA-METHYL-3,4-METHYLENDIOXYHIDROCINNAMALDEHYDE	ALPHA-METHYL-3,4-METHYLENDIOXYHIDROCINNAMALDEHYDE	ALPHA-METHYL-3,4-METHYLENDIOXYHIDROCINNAMALDEHYDE
Transport Hazard Class	9	9	9
Packing Group	III	III	III
Environmental Hazard	Yes	Yes	Yes

14.6 Special Precautions for User

None known.

14.7 Maritime Transport in Bulk According to IMO Instruments

No information available.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations Specific to the Substance or Mixture

No information available.

SECTION 16: OTHER INFORMATION

Full Text of Hazard Statements

Code	Description
H303	May be harmful if swallowed
H317	May cause an allergic skin reaction
H361	Suspected of damaging fertility or the unborn child
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

Manufacturer's Disclaimer

The information in the original Safety Data Sheet is based on available data at the time of issue. It describes the product's safety requirements and does not guarantee its properties.

The user is responsible for complying with applicable local regulations and legislation.

Authorised by:
Fozia Khot
Director