



SAFETY DATA SHEET (SDS)

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

Melozone™

SECTION 1: IDENTIFICATION

Product Name: Melozone TOCO

Manufacturer: IFF

Product Code: H13064

Chemical Name: Octahydro-4,7-methano-1H-indenecarbaldehyde

CAS Number: 30772-79-3

EC Number: 250-333-2

REACH Registration Number: 01-2120119801-64

Product Type: Synthetic Aroma Chemical / Perfumery Raw Material

Recommended Use: Ingredient used in fragrance preparations

Supplier

Aromology Trading LLC

G05 Al Ghazal Building

Nadd Al Hamar

Dubai, United Arab Emirates

Website: www.aromology.com

Email: info@aromology.com

Telephone: +971 505197601

The supplied SDS identifies Melozone TOCO as CAS 30772-79-3, EC 250-333-2, REACH 01-2120119801-64 and Product Code H13064.

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP):

Hazard Class	Classification
Skin Sensitisation	Category 1 – H317
Aquatic Chronic Hazard	Category 2 – H411



Hazard Class	Classification
Physical Hazards	Not Classified

2.2 Label Elements

Signal Word: WARNING

Hazard Pictograms:

GHS07 – Exclamation Mark

GHS09 – Environment

Hazard Statements

H317 – May cause an allergic skin reaction.

H411 – Toxic to aquatic life with long lasting effects.

Precautionary Statements

P261 – Avoid breathing dust/fume/gas/mist/vapours/spray.

P273 – Avoid release to the environment.

P280 – Wear protective gloves.

P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention.

P362 + P364 – Take off contaminated clothing and wash it before reuse.

P391 – Collect spillage.

2.3 Other Hazards

The substance does not fulfil the PBT or vPvB criteria in accordance with Annex XIII of REACH Regulation (EC) No. 1907/2006.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Composition

Chemical Name	CAS Number	EC Number	Concentration
Octahydro-4,7-methano-1H-indenecarbaldehyde	30772-79-3	250-333-2	90–100%
2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-	10191-41-0	233-466-0	0.1–1%

Component Classification

Component	Classification
Octahydro-4,7-methano-1H-indenecarbaldehyde	Skin Sens. 1, H317; Aquatic Chronic 2, H411
CAS 10191-41-0	Skin Sens. 1B, H317

The source SDS reports the principal substance at 90–100% and the second constituent at 0.1–1%.



SECTION 4: FIRST-AID MEASURES

Exposure Route	First-Aid Measures
Skin Contact	Remove contaminated clothing. Wash skin thoroughly with soap and water or a recognised cleaner. If an allergic reaction occurs, seek medical attention.
Ingestion	Do not give anything orally to an unconscious person. For a small quantity, rinse mouth with water and consult a doctor. Seek immediate medical attention and show the product label.
Eye Contact	No specific procedure stated in the supplied SDS.
Inhalation	No specific procedure stated in the supplied SDS.

Most Important Symptoms and Effects: No data available.

Immediate Medical Attention / Special Treatment: No data available.

SECTION 5: FIRE-FIGHTING MEASURES

Flammability: Non-flammable

Parameter	Information
Suitable Extinguishing Media	Carbon dioxide (CO ₂), powder, foam
Unsuitable Extinguishing Media	Water jet
Special Hazards	Fire may produce thick black smoke; decomposition products may be hazardous
Hazardous Combustion Products	Carbon monoxide (CO), carbon dioxide (CO ₂)
Advice for Firefighters	No specific data available

Do not breathe smoke generated during a fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions

Avoid contact with skin and eyes.

Use suitable personal protective equipment.

6.2 Environmental Precautions

Contain leaks or spills using non-combustible absorbent materials such as:

- Sand
 - Earth
 - Vermiculite
-



- Diatomaceous earth

Prevent the material from entering drains or waterways.

6.3 Cleaning Methods

Clean preferably with a detergent.

Do not use solvents.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Wash hands after handling.

Remove and wash contaminated clothing before reuse.

Prevent access by unauthorised personnel.

Observe the precautions stated on the product label and applicable industrial safety regulations.

Do not smoke, eat or drink in areas where the substance is used.

7.2 Storage

Keep the product in packaging made of material identical to the original packaging.

No additional specific storage conditions are provided in the supplied SDS.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Occupational Exposure Limits: No data available.

8.2 Personal Protective Equipment

Protection	Recommendation
Eye / Face Protection	Safety goggles suitable for liquid splashes, in accordance with EN166
Hand Protection	Chemical-resistant protective gloves complying with EN ISO 374-1
Body Protection	Suitable protective clothing
Substantial Spatter	Type 3 liquid-tight chemical protective clothing according to EN14605/A1
Risk of Splashing	Type 6 chemical protective clothing according to EN13034/A1
Ventilation	Ensure adequate ventilation, particularly in confined areas

Personal protective equipment should be clean, properly maintained and stored away from the work area.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Physical State	Fluid Liquid
Colour	Not Specified
Odour Threshold	Not Stated
Melting Point / Range	Not Specified
Freezing Point / Range	Not Stated
Boiling Point / Range	Not Specified
Flammability	Not Stated
Lower Explosive Limit	Not Stated
Upper Explosive Limit	Not Stated
Flash Point	106 °C
Auto-Ignition Temperature	Not Specified
Decomposition Temperature	Not Specified
pH	Not Relevant
Kinematic Viscosity	Not Stated
Water Solubility	Insoluble
Partition Coefficient (log Pow)	3.010
Vapour Pressure at 50 °C	Not Relevant
Density	Refer to COA
Vapour Density	Not Stated

The supplied SDS specifies a 106 °C flash point, insolubility in water and a log Pow of 3.010; density is expressly referenced to the COA.

SECTION 10: STABILITY AND REACTIVITY

Parameter	Information
Reactivity	No data available
Chemical Stability	Stable under recommended handling and storage conditions
Hazardous Reactions	No data available
Conditions to Avoid	Heat
Incompatible Materials	Strong acids, alkalis and oxidising agents
Hazardous Decomposition Products	Carbon monoxide (CO), carbon dioxide (CO ₂)

SECTION 11: TOXICOLOGICAL INFORMATION

Skin Sensitisation: May cause an allergic reaction by skin contact.



Acute Toxicity

Substance	Route	Result
Octahydro-4,7-methano-1H-indenecarbaldehyde	Oral	LD ₅₀ = 2500 mg/kg

The source SDS provides this oral LD₅₀ for the principal substance.

SECTION 12: ECOLOGICAL INFORMATION

Aquatic Hazard: Toxic to aquatic life with long lasting effects.

Do not allow the product to enter drains or waterways.

Endpoint	Information
Toxicity	No additional data available
Persistence / Degradability	No data available
Bioaccumulative Potential	No data available
Mobility in Soil	No data available
PBT / vPvB Assessment	No data available in Section 12
Endocrine Disrupting Properties	No data available
Other Adverse Effects	No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways.

Waste must be managed without endangering human health or harming:

Water • Air • Soil • Plants • Animals

Recycle or dispose of waste in accordance with applicable legislation, preferably through a certified waste collector or disposal company.

Contaminated Packaging: Empty containers completely, retain labels and send to a certified disposal contractor.

SECTION 14: TRANSPORT INFORMATION

Transport Parameter	Classification
UN Number	UN 3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S. (Octahydro-4,7-methano-1H-indenecarbaldehyde)



Transport Parameter	Classification
Transport Hazard Class	9
Packing Group	III
Environmental Hazard	Yes

ADR / RID

Class: 9

Classification Code: M6

Packing Group: III

Label: 9

Limited Quantity: 5 L

Not subject to the applicable ADR provision when quantity is ≤ 5 L / 5 kg, subject to the conditions stated in the regulation.

IMDG

Class: 9

Packing Group: III

Limited Quantity: 5 L

EMS: F-A, S-F

IATA

Class: 9

Packing Group: III

The transport table on page 6 of the supplied SDS classifies the material as UN3082, Class 9, Packing Group III.

SECTION 15: REGULATORY INFORMATION

The classification and labelling information in the source document was prepared with reference to: Regulation (EC) No. 1272/2008

as amended by:

EU Regulation No. 2021/643 (ATP 16)

EU Regulation No. 2021/849 (ATP 17)

Chemical Safety Assessment: No data available.

SECTION 16: OTHER INFORMATION**FULL HAZARD STATEMENTS**



H317 – May cause an allergic skin reaction.
H411 – Toxic to aquatic life with long lasting effects.

ABBREVIATIONS

LD50: Dose of a test substance resulting in 50% lethality in a given time period
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
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
PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very Persistent and Very Bioaccumulative
SVHC: Substance of Very High Concern.

DISCLAIMER

The information contained in this Safety Data Sheet describes the safety requirements and characteristics of Melozone TOCO based on the available product-specific technical and safety information.

The information is provided as guidance for safe handling, storage, transportation and use and does not constitute a guarantee of specific product properties.

Users are responsible for determining the suitability of the material for their intended application and for ensuring compliance with applicable local regulations.

Authorised by:

Fozia Khot
Director