



SAFETY DATA SHEET (SDS)

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

Aldehyde C-10 Natural

SECTION 1: IDENTIFICATION

Product Name: Aldehyde C-10 Natural (Decanal)

CAS Number: 8028-48-6

Product Type: Natural Aroma Chemical / Perfumery Raw Material

Olfactive Profile: Citrus • Aldehydic • Waxy • Fresh

Recommended Use: Fragrance and perfumery applications

Restrictions on Use: Not for personal use in this form or concentration.

Supplier

Aromology Trading LLC

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Nadd Al Hamar

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SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification

Hazard Classification	Category	Hazard Statement
Eye Irritation	Category 2	H319
Aquatic Acute Toxicity	Category 2	H401

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H319 – Causes serious eye irritation.

H401 – Toxic to aquatic life.

The supplied SDS classifies the material for serious eye irritation and acute aquatic toxicity.



PRECAUTIONARY STATEMENTS

- Wash thoroughly after handling.
- Avoid contact with eyes.
- Avoid release to the environment.
- Wear protective gloves and eye protection.
- IF IN EYES: Rinse cautiously with water.
- If irritation persists, seek medical advice.
- Dispose of contents in accordance with applicable regulations.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance	CAS Number	Concentration
Aldehyde C-10 Natural (Decanal)	8028-48-6	95%

The supplied SDS lists Decanal as the substance at 95%.

Note: The product is commercially described as Natural Aldehyde C-10 (Decanal) 95%. The source SDS nevertheless lists Decanal at 100% in its composition section; this has been retained as supplied rather than reconciled or altered.

SECTION 4: FIRST-AID MEASURES

Exposure Route	First-Aid Measures
Inhalation	Remove affected person to fresh air.
Skin Contact	Wash thoroughly with water and remove contaminated clothing.
Eye Contact	Rinse cautiously with water for several minutes. Seek medical attention.
Ingestion	Rinse mouth and drink water.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use appropriate extinguishing media suitable for the surrounding fire.

Special Hazards

Vapours may form explosive mixtures with air.

Protective Equipment for Firefighters

Use self-contained breathing apparatus where necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES



6.1 Personal Precautions

Avoid inhalation and contact with the material.
Ensure adequate ventilation.
Use appropriate personal protective equipment.

6.2 Environmental Precautions

Prevent entry into drains or waterways.

6.3 Methods for Containment and Cleaning

Absorb spilled material with suitable inert absorbent material.
Collect and dispose of contaminated material in accordance with applicable regulations.

SECTION 7: HANDLING AND STORAGE

7.1 Safe Handling

Avoid contact with skin and eyes.
Do not inhale vapours.
Use appropriate personal protective equipment.
Maintain good industrial hygiene practices.
Ensure adequate ventilation during handling.

7.2 Storage Conditions

Keep container tightly closed.

Store in a:

Cool • Dry • Well-Ventilated Area
Protect from excessive heat and incompatible materials.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure Limits

Occupational Exposure Limits: Not established.

8.2 Personal Protective Equipment

Protection	Recommendation
Eye Protection	Safety goggles
Hand Protection	Chemical-resistant gloves
Skin Protection	Suitable protective clothing



Protection	Recommendation
Respiratory Protection	Use appropriate respiratory protection where ventilation is insufficient
Engineering Controls	Maintain adequate ventilation

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Physical State	Liquid
Colour	Colourless to Pale Yellow
Odour	Fatty, Citrus-Aldehydic
Melting Point	Approx. 7 °C
Boiling Point	Approx. 216 °C
Flash Point	Approx. 85 °C
Density	Approx. 0.83 g/cm ³
Vapour Pressure	Approx. 0.08 hPa
Log Kow	Approx. 3.8
Water Solubility	Insoluble

These values are reported in Section 9 of the supplied SDS.

SECTION 10: STABILITY AND REACTIVITY

Parameter	Information
Chemical Stability	Stable under normal conditions
Possibility of Hazardous Reactions	No hazardous reactions expected under normal conditions
Conditions to Avoid	Extreme heat
Incompatible Materials	Oxidising agents
Hazardous Decomposition Products	Not specified in supplied SDS

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Parameter	Information
Acute Oral Toxicity – LD50	>5,000 mg/kg
Acute Dermal Toxicity – LD50	>5,000 mg/kg
Serious Eye Damage / Irritation	Eye Irritant – Category 2
Skin Sensitisation	Not classified
Carcinogenicity	Not classified



The supplied SDS reports oral and dermal LD50 values above 5,000 mg/kg and identifies the material as an eye irritant.

SECTION 12: ECOLOGICAL INFORMATION

Ecological Parameter	Information
Aquatic Toxicity	Toxic to aquatic organisms
LC50 – Fish	Approx. 1.45 mg/L
EC50 – Algae	Approx. 4.5 mg/L
Biodegradability	Readily Biodegradable – OECD 301
Bioaccumulative Potential	Moderate

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of product and contaminated materials in accordance with applicable local and national regulations.

Do not release into drains, soil or waterways.

Containers and residues should be handled using appropriate waste-management procedures.

SECTION 14: TRANSPORT INFORMATION

Transport Mode	Classification
ADR / RID – Road/Rail	Not Regulated
IMDG – Sea	Not Regulated
IATA – Air	Not Regulated

TRANSPORT STATUS: NOT CLASSIFIED AS DANGEROUS GOODS

The supplied SDS reports the product as not regulated under ADR, IMDG and IATA.

SECTION 15: REGULATORY INFORMATION

According to the supplied SDS:

- Not classified as an SVHC under REACH
- Not subject to REACH Annex XIV authorisation
- Classified in accordance with applicable GHS requirements



SECTION 16: OTHER INFORMATION

FULL TEXT OF HAZARD STATEMENTS

H319 – Causes serious eye irritation.

H401 – Toxic to aquatic life.

DISCLAIMER

The information contained in this Safety Data Sheet is based on available technical and safety information and is provided as guidance for safe handling, storage, transport and use of the material.

The user is responsible for determining appropriate conditions of use and ensuring compliance with applicable laws, regulations and finished-product safety requirements.

Authorised by:

Fozia Khot

Director