SAFETY DATA SHEET (SDS)

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

Aldehyde C-16

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

1.1. Identification of the substance/mixture

Parameter	Details
Trade Name	Aldehyde C-16
Substance Name	Aldehyde C-16
CAS Number	77-83-8
EC Number	201-061-8

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

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

1.3. Details of the supplier of the safety data sheet

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

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Skin sensitizer - Category 1B - H317
Hazardous to the aquatic environment, short-term (acute) - Category 2 - H401
Hazardous to the aquatic environment, long-term (chronic) - Category 2 - H411

2.2. Label Elements

Hazard Pictograms: GHS07 (Exclamation Mark), GHS09 (Environment)

Signal Word: Warning

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/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.
P362+P364 – Take off contaminated clothing and wash it before reuse.
P391 – Collect spillage.

2.3. Other hazards

No additional hazards identified

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Parameter	Details
Chemical Name	ALDEHYDE C-16
CAS Number	77-83-8
EC Number	201-061-8

Hazardous Constituents

Chemical Name	% (w/w)	CAS No.	EC No.	Classification According to GHS
ALDEHYDE C-16	≥50	77-83-8	201-061-8	Skin sensitizer - Category 1B - H317; Hazardous to the aquatic environment, short-term (acute) - Category 2 - H401; Hazardous to the aquatic environment, long-term (chronic) - Category 2 - H411

See the full text of the hazard statements in section 16.

3.2. Mixtures

Not applicable.

SECTION 4. FIRST-AID MEASURES

4.1. Description of necessary first aid measures

Ingestion: Rinse mouth with water. Obtain medical advice. Keep at rest. Do not induce vomiting.

Eye Contact: In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes and seek medical advice.

Inhalation: Remove person to fresh air and keep at rest. Seek immediate medical advice.

Skin Contact: Take off immediately all contaminated clothing. Thoroughly wash affected skin with soap and water. Seek medical attention if symptoms persist.

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

No information available.

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

No information available.

SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Water spray, carbon dioxide, dry chemical powder or appropriate foam.
For safety reasons do not use full water jet.

5.2. Special hazards arising from the substance or mixture

Known or Anticipated Hazardous Products of Combustion: Emits toxic fumes under fire conditions.

5.3. Advice for firefighters

High temperatures can lead to high pressures inside closed containers.
Avoid inhalation of vapors that are created. Use appropriate respiratory protection.
Do not allow spillage of fire to be poured into drains or watercourses.
Wear self-contained breathing apparatus and protective clothing.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate surronding areas. Ensure adequate ventilation. Keep unnecessary and unprotected personnel from entering.

Do not breathe vapor/spray. Avoid contact with skin and eyes. Information regarding personal protective measures: see section 8.

6.2. Environmental precautions

To avoid possible contamination of the environment, do not discharge into any drains, surface waters or groundwaters.

6.3. Methods and materials for containment and cleaning up

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash).
Place in covered containers using non-sparking tools and transport outdoors.
Avoid open flames or sources of ignition (e.g. pilot lights on gas hot water heater).
Ventilate area and wash spill site after material pickup is complete.

6.4. Reference to other sections

Information regarding exposure controls, personal protection and disposal considerations can be found in sections 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

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

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed and preferably full containers in a cool, dry and ventilated area, protected from light.
Keep away from sources of ignition (e.g. hot surfaces, sparks, flame and static discharges).
Keep away from incompatible materials (see section 10).

7.3. Specific end use(s)

No information available.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Control parameters

Components with occupational exposure limits:
None known.

8.2. Exposure controls

Measures should be taken to prevent materials from being splashed into the body.
Provide adequate ventilation, according to the conditions of use. Use a mechanical exhaust if required.

8.3. Individual protection measures, such as personal protective equipment

Eye/Face Protection: Chemical safety goggles are recommended. Wash contaminated goggles before reuse.

Hand Protection: Chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.

Body Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved.

Respiratory Protection: In case of insufficient ventilation, use suitable respiratory equipment.

Environmental Exposure Controls: Emissions from ventilation or process equipment should be checked to ensure they comply with environmental protection legislation.
In some cases, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
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 (°C)	153,0 - 159,0°C (20 mmHg)
Flash Point	111 °C
Evaporation Rate	Not determined
Flammability	Not determined
Lower Flammability / Explosive Limit	Not determined
Upper Flammability / Explosive Limit	Not determined
Vapour Pressure	0,18 mmHg (97°C)
Vapour Density	Not determined
Density	1,088−1,094 g/mL (20°C)
Relative Density	1,088−1,094 (20°C)
Water Solubility	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
Viscosity, Dynamic	Not determined

Viscosity, Kinematic	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/indicated.

10.2. Chemical stability
The product is stable if stored and handled as prescribed/indicated.

10.3. Possibility of hazardous reactions
No hazardous reactions if stored and handled as prescribed/indicated.

10.4. Conditions to Avoid
Conditions to Avoid: Excessive heat, flame or other ignition sources.

10.5. Incompatible materials
Avoid contact with strong acids and bases and oxidizing agents.

10.6. Hazardous decomposition products
During combustion may form carbon monoxide and unidentified organic compounds.

SECTION 11. TOXICOLOGICAL INFORMATION

Parameter	Information
Acute Toxicity	Based on the data available, the criteria for classification are not met.
Skin Corrosion/Irritation	Based on the data available, the criteria for classification are not met.
Serious Eye Damage/Irritation	Based on the data available, the criteria for classification are not met.
Respiratory or Skin Sensitisation	May cause an allergic skin reaction.
Germ Cell Mutagenicity	Based on the data available, the criteria for classification are not met.
Carcinogenicity	Based on the data available, the criteria for classification are not met.
Reproductive Toxicity	Based on the data available, the criteria for classification are not met.
STOT – Single Exposure	Based on the data available, the criteria for classification are not met.

STOT – Repeated Exposure	Based on the data available, the criteria for classification are not met.
Aspiration Hazard	Based on the data available, the criteria for classification are not met.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Assessment:
Toxic to aquatic life with long lasting effects.

Experimental/calculated data:
No information available.

12.2. Persistence and degradability
The product is not readily biodegradable.
Biodegradation: 53%. (OECD 301F).

12.3. Bioaccumulative potential
No information available.

12.4. Soil mobility
No information available.

12.5. Other adverse effects
See also sections 6, 7, 13 and 15.
Do not allow to get into waste water or waterways.

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
14.1. UN Number	UN3082	UN3082	UN3082
14.2. UN Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALDEHYDE C-16)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALDEHYDE C-16)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALDEHYDE C-16)

14.3. Transport Hazard Class(es)	9	9	9
14.4. Packing Group	III	III	III
14.5. Environmental Hazards	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/legislation specific for the substance or mixture
No information available.

SECTION 16. OTHER INFORMATION

Full text of the R-phrases, hazard statements and precautionary statements mentioned in section 3:

H317 – May cause an allergic skin reaction.
H401 – Toxic to aquatic life.
H411 – Toxic to aquatic life with long lasting effects.

Disclaimer

The information included in this safety data sheet is based on the available data at the moment this document is issued. It is meant to be a description of safety requirements for our product and does not stand for a guarantee of its properties. The user is responsible for taking all necessary steps leading to compliance with local rules and legislation.

Authorised by:
Fozia Khot
Director