SAFETY DATA SHEET (SDS)

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

Aldehyde C-18 Natural

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

1.1 Product Identifier

Parameter	Details
Product Name:	Aldehyde C-18 Natural
INCI Name:	Aldehyde C-18 Natural
CAS Number:	104-61-0
EC Number:	203-219-1
Chemical Formula:	C_9 H_{16} O_2
Molecular Weight:	156.22 g/mol

1.2 Relevant Identified Uses

Natural aroma chemical for use in:

Fine Fragrance
Cosmetics
Personal Care Products
Soap & Detergent Fragrances
Household Fragrances
Flavour Applications (where permitted)

1.3 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

SECTION 2. HAZARD IDENTIFICATION

GHS Classification

Based on available supplier information, γ-Nonalactone (Natural) is not classified as hazardous according to the Globally Harmonized System (GHS) and Regulation (EC) No. 1272/2008 (CLP) when supplied as a pure substance.

Signal Word
None

Hazard Statements
No hazard statements required.

Precautionary Statements

P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear suitable protective gloves and eye protection during prolonged industrial handling.
P501 Dispose of contents/container in accordance with local regulations.

Other Hazards

No additional hazards identified under normal conditions of use

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SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	Information
Chemical Name	γ-Nonalactone (Natural)
Common Name	Aldehyde C-18 Natural
CAS Number	104-61-0
EC Number	203-219-1
Origin	Natural Isolate
Purity	Typically ≥99%

SECTION 4. FIRST AID MEASURES

Inhalation

Move the exposed person to fresh air.
Keep at rest.
Seek medical advice if symptoms persist.

Skin Contact

Wash thoroughly with soap and water.
Remove contaminated clothing.
Seek medical attention if irritation develops.

Eye Contact

Flush immediately with plenty of clean water for at least 15 minutes.
Obtain medical attention if irritation persists.

Ingestion

Rinse mouth thoroughly with water.
Do not induce vomiting.
Seek medical advice if discomfort occurs.

SECTION 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Dry Chemical Powder
Carbon Dioxide (CO_2)
Alcohol-Resistant Foam
Water Spray

Unsuitable Media
Do not use a high-pressure water jet.

Hazardous Combustion Products

Carbon Monoxide
Carbon Dioxide
Irritating organic vapours

Protective Equipment
Wear self-contained breathing apparatus and full protective clothing.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Avoid unnecessary contact with skin and eyes.

Prevent release into drains and waterways.

Absorb with:
Sand
Vermiculite
Universal absorbent

Transfer to suitable waste containers.
Clean contaminated surfaces thoroughly.

SECTION 7. HANDLING AND STORAGE

Handling

Avoid prolonged contact with skin and eyes.
Use good industrial hygiene practices.
Provide adequate ventilation during handling.

Storage

Store in tightly closed original containers.

Protect from:

Direct sunlight
Heat
Moisture

Recommended storage temperature:

15–25 °C.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls
General ventilation is normally sufficient.

Eye Protection
Safety glasses or chemical goggles.

Hand Protection
Chemical-resistant gloves.

Respiratory Protection
Not normally required under recommended conditions of use.

Body Protection
Protective clothing during prolonged handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Clear, colourless to pale yellow liquid
Odour	Sweet, creamy, coconut, peach, milky
Physical State	Liquid

Molecular Weight	156.22 g/mol
Specific Gravity @20°C	0.975–0.985
Refractive Index @20°C	1.449–1.453
Boiling Point	Approximately 270°C
Flash Point	>100°C
Water Solubility	Slightly soluble
Solubility	Soluble in alcohol and perfumery solvents

SECTION 10. STABILITY AND REACTIVITY

Stable under recommended storage conditions.

Avoid:

Strong oxidising agents
Excessive heat
Strong acids
Strong alkalis

Hazardous decomposition products:

Carbon monoxide
Carbon dioxide

Hazardous polymerisation will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely routes of exposure:

Skin
Eyes
Inhalation

May cause mild transient irritation following prolonged exposure.

No evidence of:

Carcinogenicity
Mutagenicity
Reproductive toxicity
Specific Target Organ Toxicity (STOT)

SECTION 12. ECOLOGICAL INFORMATION

Avoid uncontrolled release into the environment.

No significant ecological hazards are expected under normal conditions of use.

Dispose of waste responsibly.

SECTION 13. DISPOSAL CONSIDERATIONS

Dispose of contents and containers through an approved waste disposal contractor in accordance with local, regional, and national regulations.

SECTION 14. TRANSPORT INFORMATION

Item	Information
UN Number	Not Regulated
Proper Shipping Name	Not Regulated
Transport Hazard Class	Not Applicable
Packing Group	Not Applicable
Marine Pollutant	No

SECTION 15. REGULATORY INFORMATION

Prepared in accordance with:
Globally Harmonized System (GHS)
Regulation (EC) No. 1272/2008 (CLP), where applicable
Regulation (EC) No. 1907/2006 (REACH), where applicable

SECTION 16. OTHER INFORMATION

Disclaimer

This Safety Data Sheet has been prepared using available supplier information and published technical data for γ-Nonalactone (Natural), CAS No. 104-61-0. It is intended solely as guidance for the safe handling, storage, transport, use, and disposal of the product. It does not constitute a product specification or warranty. Users are responsible for ensuring compliance with all applicable regulations and determining the suitability of the material for their intended application.

Authorised by:
Fozia Khot
Director