



SAFETY DATA SHEET (SDS)

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

Aprifloren®

SECTION 1: IDENTIFICATION

Product Name: Aprifloren®

Manufacturer: Symrise

Chemical Name: 5-Hexyldihydro-4-methylfuran-2(3H)-one

Alternative Names: 5-Hexyl-4-methyloxolan-2-one; (+/-)-3-Methyl-Gamma-Decalactone

CAS Number: 67663-01-8

FEMA Number: 3999

Molecular Formula: C₁₁H₂₀ O₂

Molecular Weight: 184.28 g/mol

Product Type: Aroma Chemical / Perfumery Raw Material

Olfactive Profile: Peach • Fruity • Lactonic • Floral • Green

Recommended Use: Concentrated aromatic ingredient for use in fragrance compounds according to applicable legal and IFRA guidelines

Restrictions on Use: For manufacturing use only

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: HAZARDS IDENTIFICATION

2.1 Classification

Hazard Classification	Category	Hazard Statement
Acute Toxicity – Oral	Category 5	H303
Skin Corrosion / Irritation	Category 2	H315



Hazard Classification	Category	Hazard Statement
Physical Hazards	Not Classified	—
Environmental Hazards	Not Classified	—

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H303 – May be harmful if swallowed.

H315 – Causes skin irritation.

The uploaded SDS classifies Aprifloren® as Acute Toxicity Oral Category 5 and Skin Corrosion/Irritation Category 2, while physical and environmental hazards are not classified.

PRECAUTIONARY STATEMENTS

Prevention:

Wash thoroughly after handling. Wear protective gloves.

Response:

IF ON SKIN: Wash with plenty of water.

Call a POISON CENTER or doctor if you feel unwell.

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Storage:

Store away from incompatible materials.

Disposal:

Dispose of contents, waste and residues in accordance with applicable local authority requirements.

Other Hazards

Hazards Not Otherwise Classified: None known.

Supplemental Information: 100% of the substance consists of component(s) of unknown acute inhalation toxicity.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Concentration
5-Hexyl-4-methyloxolan-2-one	67663-01-8	100%

Synonyms



(+/-)-3-Methyl-Gamma-Decalactone
5-Hexyldihydro-4-methylfuran-2(3H)-one
5-Hexyl-4-methyloxolan-2-one

The uploaded SDS identifies the material as 100% CAS 67663-01-8.

SECTION 4: FIRST-AID MEASURES

Exposure Route	First-Aid Measures
Inhalation	If breathing is difficult, remove affected person to fresh air and keep at rest in a position comfortable for breathing. Oxygen may be necessary for breathing difficulties. Seek medical attention if symptoms develop or persist.
Skin Contact	Immediately remove contaminated clothing. Wash skin thoroughly with soap and water for several minutes. Obtain medical attention if irritation develops or persists.
Eye Contact	Remove contact lenses if present and easy to do. Promptly rinse eyes with plenty of water while lifting the eyelids. Obtain medical attention if irritation develops or persists.
Ingestion	Immediately call a physician or poison control centre. If conscious, rinse mouth with water. Do not induce vomiting. If vomiting occurs, keep the head low to prevent aspiration.

Most Important Symptoms / Effects

Skin irritation • Redness • Pain

Special Treatment

No specific treatment information is available.

Ensure medical personnel are aware of the material involved and show the SDS to the attending physician where appropriate.

SECTION 5: FIRE-FIGHTING MEASURES

Parameter	Information
Suitable Extinguishing Media	Water Spray, Fog, CO ₂ , Dry Chemical or Alcohol-Resistant Foam
Unsuitable Extinguishing Media	Solid Water Stream
Special Hazards	Fire may produce irritating, corrosive and/or toxic gases
Firefighter Protection	Protective clothing and self-contained breathing apparatus
Cooling Method	Water spray may be used to cool unopened containers

Static charges generated during emptying near flammable vapours may create a flash-fire hazard.



Prevent contaminated firefighting water from entering sewers and water sources.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions

Eliminate all ignition sources.
Keep unnecessary personnel away.
Avoid contact with skin.
Avoid inhalation of vapour or spilled material.
Wear appropriate protective equipment.
Ventilate enclosed spaces before entering.

6.2 Environmental Precautions

Prevent product from entering:
Drains • Sewers • Surface Water • Groundwater
Avoid release to the environment.
The material is immiscible with water and will spread on the water surface.

6.3 Containment and Cleaning

Stop the flow of material if this can be done safely.
Absorb with:
Dry Clay • Sand • Diatomaceous Earth • Vermiculite • Commercial Sorbent
For large spills, dike where possible and place absorbed material into suitable containers.
For small spills, wipe up using appropriate absorbent material.
Do not return spilled material to the original container for reuse.

SECTION 7: HANDLING AND STORAGE

7.1 Safe Handling

Do not handle or store near open flames, heat or other ignition sources.
Take precautions against static discharge.
Ground equipment used for handling where appropriate.
Avoid breathing vapour.
Avoid contact with eyes, skin and clothing.
Avoid prolonged exposure.
Wash thoroughly after handling.

7.2 Storage Conditions

Keep container tightly closed.
Handle containers carefully.
Open containers slowly to control possible pressure release.



Store in a:

COOL • WELL-VENTILATED AREA

Keep away from incompatible materials.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits

No PEL, TLV or other recommended occupational exposure limit has been established for this substance.

Biological Exposure Limits

No biological exposure limits have been established.

Protection	Recommendation
Engineering Controls	Explosion-proof ventilation where appropriate
Eye / Face Protection	Safety glasses with side shields or goggles
Hand Protection	Chemical-resistant gloves
Skin Protection	Suitable protective clothing
Respiratory Protection	Normally not required; suitable respiratory protection where ventilation is insufficient
Thermal Protection	Appropriate thermal protective clothing where necessary

Keep away from food and drink. Wash after handling and before eating, drinking or smoking.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification / Typical Value
Physical State	Liquid
Form	Liquid
Appearance	Refer to Product Specification
Colour	Refer to Product Specification
Odour	Characteristic
Melting / Freezing Point	27 °C (80.6 °F)
Boiling Point	293 °C (559.4 °F) @ 759.812 mmHg
Flash Point	>93.3 °C (>200 °F), Closed Cup
Vapour Pressure @ 20 °C	<0.08 mmHg



Property	Specification / Typical Value
Vapour Density	6.4
Water Solubility	Insoluble
Specific Gravity	0.94 @ D20/4
Molecular Formula	C ₁₁ H ₂₀ O ₂
Molecular Weight	184.28 g/mol
Explosive Properties	Not Explosive
Oxidising Properties	Not Oxidising
pH	Not Available
Auto-Ignition Temperature	Not Available
Decomposition Temperature	Not Available
Viscosity	Not Available

The physical-property values above are taken directly from the uploaded SDS.

SECTION 10: STABILITY AND REACTIVITY

Parameter	Information
Reactivity	Stable and non-reactive under normal conditions of use, storage and transport
Chemical Stability	Stable under normal conditions
Possibility of Hazardous Reactions	No dangerous reactions known under normal conditions
Conditions to Avoid	Temperatures exceeding the flash point; contact with incompatible materials
Incompatible Materials	Strong Oxidising Agents
Hazardous Decomposition Products	None expected when stored and handled as indicated

SECTION 11: TOXICOLOGICAL INFORMATION

Endpoint	Information
Inhalation	Health-hazard information incomplete
Skin Contact	Causes Skin Irritation
Eye Contact	Health-hazard information incomplete
Ingestion	May Be Harmful if Swallowed
Acute Oral Toxicity – Rat LD50	>2,500 mg/kg – OECD 423
Acute Inhalation Toxicity – Rat LC50	>5.27 mg/kg, 4 Hours
Dermal Acute Toxicity	Presumed Non-Toxic



Endpoint	Information
Skin Corrosion / Irritation	Causes Skin Irritation
Serious Eye Damage / Irritation	Classification Not Possible Due to Insufficient Data
Respiratory Sensitisation	Classification Not Possible Due to Insufficient Data
Skin Sensitisation	Classification Not Possible Due to Insufficient Data
Germ-Cell Mutagenicity	Classification Not Possible Due to Insufficient Data
Carcinogenicity	Classification Not Possible Due to Insufficient Data
Reproductive Toxicity	Classification Not Possible Due to Insufficient Data
STOT – Single Exposure	Classification Not Possible Due to Insufficient Data
STOT – Repeated Exposure	Classification Not Possible Due to Insufficient Data
Aspiration Hazard	Classification Not Possible Due to Insufficient Data

The substance is not listed as a carcinogen in the referenced IARC, OSHA or NTP listings.

SECTION 12: ECOLOGICAL INFORMATION

Endpoint	Information
Environmental Classification	Not Classified as Environmentally Hazardous
Fish LC50	11.5 mg/L – 96 Hours
Test Species	Zebrafish (<i>Brachydanio rerio</i>)
Test Method	OECD Guideline 203, Semi-Static
Biodegradability	80.8% – OECD 301D
Biodegradation Status	Readily Biodegradable
Bioaccumulative Potential	No Data Available
Mobility in Soil	No Data Available

Although not classified as environmentally hazardous, large or frequent spills may cause harmful environmental effects.

SECTION 13: DISPOSAL CONSIDERATIONS

Do not discharge into:

Drains • Watercourses • Sewers • Ground • Water Supplies

Dispose of contents and containers in accordance with applicable:

Local • Regional • National • International Regulations

Hazardous Waste Code: Not Established.

Empty containers may retain product residues and must be handled safely.

Empty containers should be taken to an approved waste-handling facility for recycling or disposal.



SECTION 14: TRANSPORT INFORMATION

Transport Mode	Classification
ADN	Not Regulated as Dangerous Goods
ADR	Not Regulated as Dangerous Goods
RID	Not Regulated as Dangerous Goods
DOT – Bulk	Not Regulated as Dangerous Goods
DOT – Non-Bulk	Not Regulated as Dangerous Goods
IATA	Not Regulated as Dangerous Goods
IMDG	Not Regulated as Dangerous Goods

TRANSPORT STATUS: NOT REGULATED AS DANGEROUS GOODS

This is explicitly stated in Section 14 of the uploaded SDS.

SECTION 15: REGULATORY INFORMATION

According to the supplied SDS:

Regulatory Requirement	Status
OSHA Hazard Communication Standard	Hazardous Chemical
TSCA Section 12(b)	Not Regulated
CERCLA Hazardous Substance List	Not Listed
SARA 304	Not Regulated
SARA 302 Extremely Hazardous Substance	Not Listed
SARA 311/312 Hazardous Chemical	Yes
SARA 311/312 Hazard Category	Skin Corrosion or Irritation
SARA 313	Not Regulated
Clean Air Act – HAP	Not Regulated
Clean Air Act 112(r)	Not Regulated
Safe Drinking Water Act	Not Regulated

SECTION 16: OTHER INFORMATION

FULL TEXT OF HAZARD STATEMENTS

H303 – May be harmful if swallowed.

H315 – Causes skin irritation.

HMIS RATINGS



Parameter	Rating
Health	2
Flammability	1
Physical Hazard	0

The underlying SDS is Version 02, originally issued 21 November 2015 and revised 4 November 2019.

DISCLAIMER

The information contained in this Safety Data Sheet is based on available technical and safety information for the identified material and is intended as guidance for professional handling, storage, transportation and use.

The user is responsible for determining the suitability of the material for its intended application and ensuring compliance with applicable laws, regulations and finished-product safety requirements.

Authorised by:
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Director