



SAFETY DATA SHEET (SDS)

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

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1 Product identifier

Item	Details
Product Name	Methyl Hexyl Ketone
Synonyms	2-Octanone; Methyl n-Hexyl Ketone
Odour Description	Fruity, cheese, creamy, fatty
CAS Number	111-13-7
EC Number	203-838-7
Molecular Formula	C ₈ H ₁₆ O
Molecular Weight	128.21 g/mol
Product Type	Aroma Chemical
Recommended Use	Professional fragrance ingredient

1.2 Relevant Identified Uses

- Fine fragrance
- Flavour and fragrance research
- Cosmetic fragrance formulations
- Industrial fragrance manufacture

1.3 Uses Advised Against

- Internal consumption
- Pharmaceutical use
- Household use without professional handling

1.4 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

1.5 Emergency Telephone



Contact the nearest Poison Centre or emergency medical service.

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification According to Regulation (EC) No. 1272/2008

Hazard Class	Classification
Flammable Liquid	Category 3
Skin Irritation	Category 2
Eye Irritation	Category 2A
Specific Target Organ Toxicity (Single Exposure)	Category 3 (Narcotic effects)

2.2 Label Elements

Signal Word: Warning

Hazard Statements

- H226: Flammable liquid and vapour.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H336: May cause drowsiness or dizziness.

Precautionary Statements

- P210 Keep away from heat, sparks and open flames.
- P233 Keep container tightly closed.
- P261 Avoid breathing vapours.
- P264 Wash thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves and eye protection.
- P303+P361+P353 IF ON SKIN (or hair): Remove contaminated clothing immediately. Rinse skin with water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
- P403+P235 Store in a cool, well-ventilated place.
- P501 Dispose of contents/container in accordance with local regulations.

2.3 Other Hazards

- Vapours may form explosive mixtures with air.
- Prolonged exposure may dry the skin.
- Product has not been assessed as PBT or vPvB.



SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance

Chemical Name	CAS	EC	Content
2-Octanone (Methyl Hexyl Ketone)	111-13-7	203-838-7	≥99%

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

Inhalation

Move the affected person to fresh air. Seek medical attention if symptoms persist.

Skin Contact

Wash thoroughly with soap and water. Remove contaminated clothing.

Eye Contact

Flush immediately with water for at least 15 minutes. Obtain medical advice if irritation persists.

Ingestion

Rinse mouth. Do not induce vomiting unless directed by medical personnel. Obtain medical attention.

4.2 Most Important Symptoms

- Eye irritation
- Skin irritation
- Headache
- Dizziness
- Drowsiness

4.3 Indication of Immediate Medical Attention

Treat symptomatically.



SECTION 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media

- Dry chemical
- Carbon dioxide
- Alcohol-resistant foam
- Water fog

Unsuitable Extinguishing Media

High-pressure water jet.

Hazardous Combustion Products

- Carbon monoxide
- Carbon dioxide
- Irritating organic fumes

Protective Equipment

Self-contained breathing apparatus and full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Remove ignition sources.
 - Ventilate the area.
 - Prevent entry into drains.
 - Absorb using sand or inert absorbent.
 - Collect in suitable labelled containers.
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SECTION 7: HANDLING AND STORAGE

Handling

- Avoid breathing vapours.
- Avoid skin and eye contact.
- Use only with adequate ventilation.
- Keep away from ignition sources.
- Use grounded equipment.



Storage

- Store tightly closed.
- Store in a cool, dry, well-ventilated place.
- Recommended storage temperature: **15–25 °C**.
- Keep away from oxidising agents and heat.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Provide adequate local exhaust ventilation.

Eye Protection

Chemical safety goggles.

Hand Protection

Nitrile or butyl rubber gloves.

Skin Protection

Protective laboratory clothing.

Respiratory Protection

Organic vapour respirator where ventilation is insufficient.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Typical Value
Appearance	Clear liquid
Colour	Colourless
Odour	Fruity, creamy, cheese-like
Molecular Weight	128.21 g/mol
Boiling Point	Approximately 173 °C
Melting Point	Approximately -16 °C
Flash Point	Approximately 56 °C (Closed Cup)
Relative Density (20 °C)	Approximately 0.82



Refractive Index (20 °C)	Approximately 1.421
Vapour Pressure	Low
Water Solubility	Slightly soluble
Solubility in Ethanol	Soluble

SECTION 10: STABILITY AND REACTIVITY

Stable under normal storage conditions.

Avoid:

- Heat
- Sparks
- Open flames
- Strong oxidising agents

Hazardous decomposition products include carbon monoxide and carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure:

- Inhalation
- Skin contact
- Eye contact
- Ingestion

Effects may include:

- Skin irritation
- Eye irritation
- Central nervous system depression (high vapour concentrations)
- Headache
- Dizziness
- Drowsiness

No evidence available indicating carcinogenicity, mutagenicity or reproductive toxicity under normal occupational use.



SECTION 12: ECOLOGICAL INFORMATION

- Avoid uncontrolled environmental release.
 - Expected to be biodegradable.
 - No comprehensive aquatic toxicity data available for the pure substance.
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SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of contents and contaminated packaging through an authorised chemical waste contractor.

Do not discharge into drains or waterways.

SECTION 14: TRANSPORT INFORMATION

Item	Information
UN Number	UN 1224
Proper Shipping Name	Ketones, Liquid, N.O.S. (contains 2-Octanone)
Transport Class	3
Packing Group	III
Marine Pollutant	No

Transport classification should be verified against the supplier's measured flash point and applicable transport regulations.

SECTION 15: REGULATORY INFORMATION

Prepared with reference to:

- Regulation (EC) No. 1907/2006 (REACH)
- Regulation (EU) 2020/878
- Regulation (EC) No. 1272/2008 (CLP)
- Regulation (EC) No. 1223/2009 (Cosmetics)

Professional fragrance ingredient only.



SECTION 16: OTHER INFORMATION

Issue Date: 21 July 2026

Revision: 1.0

Product: Methyl Hexyl Ketone (2-Octanone)

Disclaimer

The information contained in this Safety Data Sheet is believed to be accurate based on current knowledge and available technical information. It is intended solely as guidance for the safe handling, storage, transport and disposal of this material. It does not constitute a product specification or warranty. Users are responsible for determining the suitability of the material for their intended application and for complying with all applicable laws and regulations.

Authorised by

Fozia Khot
Director