



## MATERIAL SAFETY DATA SHEET (MSDS)

According to REACH (EC 1907/2006) & CLP (EC 1272/2008)

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### SECTION 1: IDENTIFICATION

Product Name: Farenal (Synthetic)

IUPAC Name: 2,6,10-trimethylundec-9-enal

REACH Registration: 01-2120139915-49

Recommended Use:

Fragrance raw material (professional & consumer use)

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Supplier:

AROMOLOGY TRADING LLC

G15 Union Coop Mall

Nadd Al Hamar

Dubai, United Arab Emirates

Email: [info@aromology.com](mailto:info@aromology.com)

Website: [www.aromology.com](http://www.aromology.com)

Emergency Contact:

Local emergency services / Poison Control

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### SECTION 2: HAZARD IDENTIFICATION

CLP Classification

- Skin Sensitisation – Category 1B (H317)
- Aquatic Acute Toxicity – Category 1 (H400)
- Aquatic Chronic Toxicity – Category 1 (H410)

Signal Word:

WARNING

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Hazard Statements

- H317: May cause an allergic skin reaction



- H410: Very toxic to aquatic life with long lasting effects
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#### Precautionary Statements

- P273 – Avoid release to the environment
  - P280 – Wear protective gloves / protective clothing
  - P333 + P313 – If skin irritation or rash occurs: Get medical advice
  - P362 + P364 – Remove contaminated clothing and wash before reuse
  - P391 – Collect spillage
  - P501 – Dispose of contents/container according to regulations
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#### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance	CAS	EC	Concentration
Farenal	141-13-9	205-460-8	80–100%

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#### SECTION 4: FIRST AID MEASURES

##### General:

If unwell, seek medical advice.

##### Inhalation:

Remove to fresh air and keep comfortable.

##### Skin Contact:

Wash with plenty of water. Remove contaminated clothing.

##### Eye Contact:

Rinse with water as precaution.

##### Ingestion:

Call a poison center or doctor if unwell.

##### Symptoms:

- May cause allergic skin reaction
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## SECTION 5: FIRE-FIGHTING MEASURES

Suitable Media:

Water spray, foam, dry powder, CO<sub>2</sub>

Hazards:

Toxic fumes may be released during combustion

Protection:

Use self-contained breathing apparatus

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

- Avoid contact with skin and eyes
  - Ensure ventilation
  - Prevent environmental release
  - Absorb with inert material
  - Dispose at authorized site
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## SECTION 7: HANDLING AND STORAGE

Handling:

Use in well-ventilated area. Avoid inhalation and skin contact. Use PPE.

Storage:

- Store in cool, well-ventilated place
  - Protect from sunlight
  - Keep container tightly closed
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## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:

Ensure good ventilation

PPE:

- Safety glasses



- Protective gloves
- Protective clothing

Respiratory Protection:  
Use if ventilation is insufficient

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#### DNEL / PNEC (Key Values)

##### DNEL (Workers):

- Dermal (acute): 160 mg/kg/day
- Inhalation (acute): 23.63 mg/m<sup>3</sup>

##### PNEC:

- Freshwater: 0.5877 mg/L
- Marine: 0.05877 mg/L
- Soil: 0.0926 mg/kg

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Physical State	Liquid
Flash Point	>110 °C
Boiling Point	260 °C
Relative Density	0.8556
Log Pow	6.2
Flammability	Non-flammable

(From physical properties table pages 5–6)

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## SECTION 10: STABILITY AND REACTIVITY

- Stable under normal conditions



- No hazardous reactions expected
  - Avoid extreme heat
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#### SECTION 11: TOXICOLOGICAL INFORMATION

Parameter	Value
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LD50 Oral (rat)	> 4250 mg/kg
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LD50 Dermal (rat)	> 5000 mg/kg
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Effects:

- Skin sensitisation (primary hazard)
  - No classification for carcinogenicity, mutagenicity, or reproductive toxicity
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#### SECTION 12: ECOLOGICAL INFORMATION

- Very toxic to aquatic life
  - Not readily biodegradable
  - Bioaccumulative potential (Log Pow 6.2)
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Ecotoxicity Data (Page 7)

- LC50 Fish: ~0.47–0.60 mg/L
  - EC50 Daphnia: 0.9 mg/L
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#### SECTION 13: DISPOSAL CONSIDERATIONS

Dispose according to local regulations.  
Do not release into environment.

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#### SECTION 14: TRANSPORT INFORMATION



Parameter	Value
UN Number	UN 3082
Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s.
Class	9
Packing Group	III
Marine Pollutant	Yes

(Transport classification across ADR / IMDG / IATA confirmed pages 8–9)

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#### SECTION 15: REGULATORY INFORMATION

- Not listed in REACH Annex XIV
  - Not listed in SVHC Candidate List
  - Subject to REACH Annex XVII restrictions
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#### SECTION 16: OTHER INFORMATION

Full Hazard Statements:

- H317: May cause allergic skin reaction
- H400: Very toxic to aquatic life
- H410: Very toxic to aquatic life with long lasting effects