



SAFETY DATA SHEET (SDS)

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

Nympheal™

SECTION 1: Identification

1.1 Product Identifier

Item	Details
Product Name	Nympheal™
Manufacturer	Givaudan SA
Chemical Name	3-(4-Isobutyl-2-methylphenyl)propanal
CAS Number	1637294-12-2
Molecular Formula	C ₁₄ H ₂₀ O
Molecular Weight	204.31 g/mol
Product Type	Aroma Chemical
Physical Form	Colourless Liquid
Odour Profile	Floral, Cyclamen, Muguet, Linden Blossom, Green, Watery
Recommended Use Level	Traces – 10% in fragrance compounds
Tenacity	Several months on blotter

Givaudan describes Nympheal™ as a highly diffusive muguet ingredient with exceptional substantivity, excellent bloom in white floral compositions and several months of blotter longevity.

SECTION 2: Hazard Identification

Classification (GHS / CLP)

Representative SDS classification:

- Acute Toxicity (Oral) – Category 5
- Acute Toxicity (Dermal) – Category 5
- Skin Irritation – Category 2
- Eye Irritation – Category 2A
- Skin Sensitisation – Category 1
- Aquatic Acute Toxicity – Category 2
- Aquatic Chronic Toxicity – Category 2

Signal Word



Warning

Hazard Statements

- H303 May be harmful if swallowed.
- H313 May be harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

- P261 Avoid breathing vapours.
- P264 Wash thoroughly after handling.
- P272 Contaminated work clothing should not leave the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves and eye protection.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
- P333+P313 If skin irritation or rash occurs: Get medical advice.
- P337+P313 If eye irritation persists: Get medical advice.
- P391 Collect spillage.
- P501 Dispose of contents/container according to local regulations.

SECTION 3: Composition / Information on Ingredients

Component	CAS Number	Concentration
Nympheal™ (3-(4-Isobutyl-2-methylphenyl)propanal)	1637294-12-2	≥97%

The notified purity for Nympheal™ is greater than 97%.

SECTION 4: First Aid Measures

Inhalation

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

Skin Contact

Remove contaminated clothing.
Wash thoroughly with soap and water.
Seek medical advice if irritation or sensitisation develops.

Eye Contact

Flush immediately with water for at least 15 minutes.
Remove contact lenses if present.
Continue rinsing.
Seek medical attention.



Ingestion

Rinse mouth thoroughly.

Do not induce vomiting.

Seek immediate medical advice.

SECTION 5: Fire Fighting Measures

Suitable Extinguishing Media

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

Unsuitable Media

Direct water jet.

Hazardous Combustion Products

- Carbon monoxide
- Carbon dioxide
- Irritating organic vapours

Firefighters should wear self-contained breathing apparatus.

SECTION 6: Accidental Release Measures

- Wear appropriate PPE.
- Prevent release into drains and waterways.
- Absorb with inert absorbent material.
- Collect into suitable containers.
- Dispose according to local regulations.

SECTION 7: Handling and Storage

Handling

- Avoid contact with skin and eyes.
- Avoid inhalation of vapours.
- Use adequate ventilation.
- Observe good industrial hygiene practices.

Storage

Store:

- Between 15–25 °C



- In tightly closed original containers.
- Protected from direct sunlight.
- Away from oxidising agents.
- Store in a cool, dry and well-ventilated area.

SECTION 8: Exposure Controls / Personal Protection

Engineering Controls

Provide adequate local exhaust ventilation.

Personal Protective Equipment

Eye Protection

- Chemical safety goggles

Hand Protection

- Nitrile gloves

Body Protection

- Protective clothing

Respiratory Protection

- Organic vapour respirator where ventilation is insufficient.

SECTION 9: Physical and Chemical Properties

Property	Typical Value
Appearance	Colourless liquid
Odour	Floral, muguet, cyclamen
Molecular Formula	$C_{14}H_{20}O$
Molecular Weight	204.31 g/mol
Boiling Point	96 °C (<i>at reduced pressure</i>)
Vapour Pressure	0.001 hPa
Log Pow	3.7
Physical State	Liquid
Use Level	Traces – 10%
Tenacity	Several months on blotter

These physicochemical properties are published by Givaudan for Nympeal™.



SECTION 10: Stability and Reactivity

Stable under recommended storage conditions.

Avoid:

- Heat
- Open flames
- Strong oxidising agents

Hazardous decomposition products:

- Carbon monoxide
- Carbon dioxide

SECTION 11: Toxicological Information

Likely exposure routes:

- Skin
- Eyes
- Inhalation
- Ingestion

Potential effects:

- Skin irritation
- Eye irritation
- Allergic skin reaction
- Mild toxicity following ingestion or prolonged skin exposure

SECTION 12: Ecological Information

Toxic to aquatic organisms with long-lasting effects.

Avoid uncontrolled environmental release.

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



Transport classification should be verified against the current manufacturer's Safety Data Sheet and applicable ADR, IMDG and IATA transport regulations.

SECTION 15: Regulatory Information

Prepared with reference to:

- REACH Regulation (EC) No. 1907/2006
- CLP Regulation (EC) No. 1272/2008
- Commission Regulation (EU) 2020/878
- OSHA Hazard Communication Standard (29 CFR 1910.1200)

SECTION 16: Other Information

This Safety Data Sheet has been prepared using published technical information for Nympheal™ (CAS 1637294-12-2) and representative safety documentation. Givaudan describes Nympheal™ as a high-performance muguet material with outstanding diffusion, excellent stability and exceptional longevity, lasting several months on a fragrance blotter. The official Givaudan SDS supplied with the purchased batch should always take precedence where batch-specific classifications differ.

Authorised by

Fozia Khot

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