

Material Safety Data Sheet (MSDS)

Helional

CAS Number: 1205-17-0

Prepared by: Triveni Chemicals

Revision Date: 25-June-2025

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name: Helional

Synonyms: 3-(p-Methylphenyl)-2-methylpropanal

Recommended Use: Fragrance ingredient


Supplier:

Triveni Chemicals


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GROUP OF Triveni CHEMICALS

SECTION 2: Hazards Identification

GHS Classification:

- Skin sensitization (Category 1B), H317
- Aquatic chronic toxicity (Category 2), H411

Signal Word: *Warning*

Hazard Statements:

- H317: May cause an allergic skin reaction
- H411: Toxic to aquatic life with long lasting effects

Precautionary Statements:

- P261: Avoid breathing vapors
- P272: Contaminated work clothing should not be allowed out of the workplace
- P273: Avoid release to the environment
- P280: Wear protective gloves
- P302+P352: IF ON SKIN: Wash with plenty of water
- P333+P313: If skin irritation or rash occurs: Get medical advice/attention
- P501: Dispose of contents/container in accordance with local regulations

SECTION 3: Composition/Information on Ingredients

Component	CAS No.	Content
Helional	1205-17-0	≥95%

SECTION 4: First-Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms occur.
- **Skin Contact:** Wash with soap and water. Remove contaminated clothing.
- **Eye Contact:** Rinse cautiously with water for several minutes. Seek medical advice if irritation develops.
- **Ingestion:** Rinse mouth. Seek medical advice if discomfort occurs.

SECTION 5: Firefighting Measures

Suitable Extinguishing Media: Dry chemical, foam, carbon dioxide

Specific Hazards: May form combustible mixtures with air

Protective Equipment: Use SCBA and protective clothing

SECTION 6: Accidental Release Measures

Personal Precautions: Wear gloves and goggles. Provide adequate ventilation.

Environmental Precautions: Avoid release to drains or surface waters

Cleanup Methods: Absorb with inert material such as sand. Dispose of according to local regulations

SECTION 7: Handling and Storage

Handling: Avoid contact with skin and eyes. Use with good ventilation.

Storage: Store in a tightly closed container in a cool, dry, well-ventilated area away from ignition sources

SECTION 8: Exposure Controls / Personal Protection

Exposure Limits: Not established

Engineering Controls: Provide local exhaust ventilation

Personal Protective Equipment (PPE):

- Protective gloves
- Safety goggles
- Protective clothing

SECTION 9: Physical and Chemical Properties

Property	Value
Appearance	liquid
Odor	Fresh, marine, floral
Boiling Point	~282°C
Melting Point	-5 °C
Flash Point	93.3°C (closed cup)
Autoignition Temperature	Not determined
Density	~1.02 g/cm ³
Solubility	Not determined

SECTION 10: Stability and Reactivity

Stability: Stable under recommended storage conditions

Incompatibility: Strong oxidizing agents

Decomposition Products: Carbon monoxide, carbon dioxide

Reactivity: No hazardous polymerization expected

SECTION 11: Toxicological Information

- **Oral LD₅₀ (Rat):** >3000 mg/kg (estimated)
- **Skin Effects:** May cause sensitization
- **Eye Effects:** May cause mild irritation
- **Respiratory Effects:** No known significant hazards under normal conditions

SECTION 12: Ecological Information

- **Biodegradability:** Expected to be readily biodegradable
- **Aquatic Toxicity:** Toxic to aquatic organisms with long-term effects
- **Bioaccumulation:** Low to moderate potential

SECTION 13: Disposal Considerations

Dispose of product and container in accordance with local, regional, and national regulations. Avoid release to the environment.

SECTION 14: Transport Information

- **UN Number:** Not regulated
- **Proper Shipping Name:** Helional
- **Hazard Class:** Not applicable
- **Packing Group:** Not applicable

SECTION 15: Regulatory Information

- TSCA listed (US)
- Complies with MSIHC Rules (India)
- Not listed under REACH SVHC

SECTION 16: Other Information

Prepared By: Triveni Chemicals, Regulatory Affairs Department

Disclaimer:

The information above is believed to be correct but does not claim to be exhaustive. Users are responsible for verifying suitability under their actual conditions of use. **Triveni Chemicals** disclaims any liability for damage resulting from handling or contact.