

Material Safety Data Sheet (MSDS)

Inter Aldehyde C11

Revision Date: 01-October-2025

Version: 1.0

Section 1: Product Identification

- **Product Name:** Inter Aldehyde C11
- **Chemical Name:** 10-Undecenal (Undecylenic Aldehyde)
- **Chemical Formula:** C₁₁H₂₀O
- **CAS No:** 112-45-8
- **Synonyms:** Undecylenic aldehyde; 10-Undecenal; C11 Aldehyde
- **Recommended Use:** Fragrance ingredient for perfumery and consumer products.

Section 2: Hazards Identification

- **Classification (GHS):** Combustible Liquid; Skin Irritant; Eye Irritant; Skin Sensitizer; Aquatic Chronic
- **Signal Word:** Warning
- **Hazard Statements:**
 - Combustible liquid
 - Causes skin irritation
 - Causes serious eye irritation
 - May cause an allergic skin reaction

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- Harmful to aquatic life with long lasting effects
- **Precautionary Statements:**
 - Keep away from heat, hot surfaces, sparks, open flames
 - Avoid breathing vapors/mist
 - Wear protective gloves/eye protection
 - Wash thoroughly after handling
 - Avoid release to the environment; collect spillage
 - **IF ON SKIN:** Wash with plenty of water; if irritation or rash occurs: Get medical advice/attention
 - **IF IN EYES:** Rinse cautiously with water for several minutes; remove contact lenses if present and easy to do; continue rinsing

Section 3: Composition / Information on Ingredients

- Purity: 95%

Section 4: First Aid Measures

- **Inhalation:** Move person to fresh air and keep comfortable. Seek medical attention if symptoms persist.
- **Skin Contact:** Wash with soap and plenty of water. Remove contaminated clothing and wash before reuse. Seek medical advice if irritation or rash develops.
- **Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if

present and easy to do. Continue rinsing. Seek medical attention if irritation persists.

- Ingestion: Rinse mouth. Do NOT induce vomiting. Seek immediate medical advice.

Section 5: Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, foam, dry chemical, carbon dioxide (CO₂).
- **Specific Hazards:** Combustible liquid; vapors may form explosive mixtures with air at elevated temperatures. Combustion may produce carbon oxides and irritating fumes.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and full protective gear.

Section 6: Accidental Release Measures

- **Personal Precautions:** Avoid breathing vapors; avoid contact with skin and eyes; ensure adequate ventilation; remove ignition sources.
- **Environmental Precautions:** Prevent entry into drains, soil, and waterways.
- **Methods for Containment/Cleanup:** Absorb with inert material (sand/earth). Collect into suitable labeled containers for disposal. Wash spill area with detergent and water.

Section 7: Handling and Storage

- **Handling:** Use in well-ventilated areas. Avoid contact with skin and eyes. Do not eat, drink, or smoke when using this product.

- **Storage:** Keep container tightly closed in a cool, dry, well-ventilated place away from heat and oxidizing agents. Store in original container.

Section 8: Exposure Controls / Personal Protection

- **Exposure Limits:** None established for this substance.
- **Engineering Controls:** Provide local exhaust/ventilation to control vapor exposure.
- **Personal Protective Equipment:** Chemical-resistant gloves; safety goggles/face shield; protective clothing. Respiratory protection if ventilation is inadequate.

Section 9: Physical and Chemical Properties

- **Appearance:** Colorless to pale yellow liquid
- **Odor:** Powerful, citrus/green/fatty odor
- **Boiling Point:** 98 - 100 °C
- **Flash Point:** 60 °C
- **Solubility:** Insoluble in water; soluble in alcohol and most organic solvents
- **Molecular Weight:** 168.28 g/mol

Section 10: Stability and Reactivity

- **Stability:** Stable under recommended storage conditions.
- **Incompatible Materials:** Strong oxidizing agents; strong acids.
- **Hazardous Decomposition Products:** Carbon oxides and irritating fumes under fire conditions.

- **Conditions to Avoid:** Heat, flames, sparks; prolonged exposure to air/light may promote oxidation.

Section 11: Toxicological Information

- **Routes of Exposure:** Inhalation, skin contact, eye contact, ingestion.
- **Acute Effects:** Causes skin and eye irritation; may cause allergic skin reaction.
- **Chronic Effects:** Prolonged or repeated exposure may cause dermatitis; no specific systemic toxicity data available.

Section 12: Ecological Information

- **Ecotoxicity:** Harmful to aquatic life with long lasting effects (based on similar aldehydes).
- **Persistence/Degradability:** Expected to be biodegradable.
- **Bioaccumulative Potential:** Potential for bioaccumulation due to hydrophobicity.
- **Mobility in Soil:** Low mobility.

Section 13: Disposal Considerations

- Dispose of contents/container in accordance with local/regional/national regulations. Do not discharge into drains or the environment.

Section 14: Transport Information

- **UN Number:** Not regulated
- **Proper Shipping Name:** Inter Aldehyde C11
- **Hazard Class:** Not classified as dangerous goods at typical flash point (94 °C)
- **Packing Group:** Not applicable

Section 15: Regulatory Information

- This product is listed/registered on applicable chemical inventories where required.
- Classified under GHS as indicated in Section 2. Complies with relevant Indian chemical safety regulations.

Section 16: Other Information

Disclaimer: The information provided is based on available data and is offered as a guide.

Triveni Chemicals shall not be held liable for any damage resulting from handling or contact with the product.