

Section 1: Identification

- Product Name: Indole
 - Synonyms: 1H-Indole, Benzopyrrole
 - CAS Number: 120-72-9
 - Recommended Use: Fragrance and perfumery industries.
 - Manufacturer/Supplier Information:
 - Name: OMEGA ENGINEERING
 - Address: Plot G1812/1, Lodhika Industrial Estate, Metoda GIDC, Rajkot 360021, Gujarat, India
 - Emergency Contact: 8849531523, 9925001414
-

Section 2: Hazard Identification

- GHS Classification:
 - Acute Toxicity (Oral): Category 4
 - Skin Irritation: Category 3
 - Eye Irritation: Category 2A
 - Signal Word: Warning
 - Hazard Statements:
 - H302: Harmful if swallowed.
 - H316: Causes mild skin irritation.
 - H319: Causes serious eye irritation.
 - Precautionary Statements:
 - P264: Wash hands thoroughly after handling.
 - P280: Wear protective gloves, clothing, and eye protection.
 - P301+P312: If swallowed, call a poison center/doctor if you feel unwell.
-

Section 3: Composition/Information on Ingredients

- Chemical Name: Indole
 - CAS Number: 120-72-9
 - Concentration: $\geq 99.90\%$
-

Section 4: First Aid Measures

- Inhalation: Move the person to fresh air. Seek medical attention if symptoms persist.
 - Skin Contact: Wash with soap and water. Remove contaminated clothing. Seek medical attention if irritation occurs.
 - Eye Contact: Rinse with water for several minutes. Remove contact lenses if present. Seek medical attention if irritation persists.
 - Ingestion: Rinse mouth with water. Do not induce vomiting. Seek immediate medical attention.
-

Section 5: Fire-Fighting Measures

- Suitable Extinguishing Media: Foam, dry chemical, CO₂, or water spray.
 - Specific Hazards: Combustion may produce toxic fumes, including carbon oxides and nitrogen oxides.
 - Protective Equipment: Firefighters should wear full protective clothing and self-contained breathing apparatus.
-

Section 6: Accidental Release Measures

- Personal Precautions: Use appropriate PPE (gloves, goggles, and respirators).
 - Spill Cleanup: Absorb spill with inert material (e.g., sand, vermiculite) and place in a suitable container. Avoid release into the environment.
 - Environmental Precautions: Prevent entry into waterways and drains.
-

Section 7: Handling and Storage

- Handling: Avoid contact with skin, eyes, and clothing. Ensure adequate ventilation. Do not eat, drink, or smoke while handling.
 - Storage: Store in a cool, dry, and well-ventilated area. Keep container tightly closed and away from heat sources.
-

Section 8: Exposure Controls/Personal Protection

- Engineering Controls: Use local exhaust ventilation or other engineering controls to maintain airborne levels below recommended limits.
- Personal Protection:

- Eye/Face Protection: Safety goggles.
 - Skin Protection: Chemical-resistant gloves.
 - Respiratory Protection: If ventilation is inadequate, use an approved respirator.
-

Section 9: Physical and Chemical Properties

- Appearance: White lustrous crystalline solid
 - Odor: Floral, reminiscent of jasmine
 - Melting Point: 51-54°C
 - Boiling Point: 253°C
 - Flash Point: 127°C
 - Solubility: Slightly soluble in water, soluble in alcohol and ether
-

Section 10: Stability and Reactivity

- Stability: Stable under normal conditions.
 - Incompatible Materials: Strong oxidizing agents and acids.
 - Hazardous Decomposition Products: Carbon oxides and nitrogen oxides under fire conditions.
-

Section 11: Toxicological Information

- Acute Toxicity:
 - LD50 (Oral, Rat): 1,000-1,600 mg/kg
 - Irritation: Causes skin and eye irritation.
 - Chronic Effects: No data available.
-

Section 12: Ecological Information

- Toxicity: Harmful to aquatic life.
 - Persistence and Degradability: Readily biodegradable.
 - Bioaccumulative Potential: Low potential for bioaccumulation.
-

Section 13: Disposal Considerations

- Dispose of in accordance with local, state, and federal regulations. Avoid release into waterways.
-

Section 14: Transport Information

- UN Number: UN2811
 - Proper Shipping Name: Toxic Solid, Organic, N.O.S. (Indole)
 - Hazard Class: 6.1
 - Packing Group: III
-

Section 15: Regulatory Information

- Complies with local, national, and international chemical safety regulations.
-

Section 16: Other Information

- Preparation Date: 15/09/2022
- Disclaimer: The information provided in this SDS is believed to be accurate but does not purport to be exhaustive. Users must ensure suitability for their specific needs.