

Material Safety Data Sheet (MSDS)

Skatole

CAS Number: 83-34-1

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: Skatole

Synonyms: 3-Methylindole

Recommended Use: Fragrance ingredient, flavoring agent, chemical intermediate


Supplier:

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SECTION 2: Hazards Identification

GHS Classification:

- Acute toxicity, oral (Category 4), H302
- Skin irritation (Category 2), H315
- Eye irritation (Category 2A), H319

Signal Word: *Warning*

Hazard Statements:

- H302: Harmful if swallowed
- H315: Causes skin irritation
- H319: Causes serious eye irritation

Precautionary Statements:

- P264: Wash thoroughly after handling
- P270: Do not eat, drink or smoke while using this product
- P280: Wear protective gloves/eye protection
- P301+P312: IF SWALLOWED: Call a doctor/poison center if you feel unwell
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
- P337+P313: If eye irritation persists: Get medical advice/attention

SECTION 3: Composition/Information on Ingredients

Component	CAS No.	Content
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Skatole	83-34-1	≥98%
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SECTION 4: First-Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms develop.
- **Skin Contact:** Wash thoroughly with soap and water. Remove contaminated clothing. Seek medical advice if irritation develops.
- **Eye Contact:** Rinse cautiously with water for at least 15 minutes. Seek medical advice if irritation persists.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical advice if unwell.

SECTION 5: Firefighting Measures

Suitable Extinguishing Media: Dry chemical, carbon dioxide, foam

Specific Hazards: Emits toxic fumes under fire conditions

Protective Equipment: Wear SCBA and full protective gear

SECTION 6: Accidental Release Measures

Personal Precautions: Wear gloves, goggles, and protective clothing. Ensure good ventilation.

Environmental Precautions: Prevent entry into drains or waterways

Cleanup Methods: Sweep up or absorb with inert material, place in sealed containers for disposal according to local regulations

SECTION 7: Handling and Storage

Handling: Avoid contact with skin and eyes. Use only in well-ventilated areas. Avoid inhaling dust.

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

SECTION 8: Exposure Controls / Personal Protection

Exposure Limits: Not established

Engineering Controls: Local exhaust recommended

Personal Protective Equipment (PPE):

- Protective gloves
- Safety goggles
- Protective clothing

SECTION 9: Physical and Chemical Properties

Property	Value
Appearance	White to light brown crystalline solid
Odor	Fecal at high concentration, floral at low
Boiling Point	265 °C
Melting Point	92–97 °C
Flash Point	132 °C (closed cup)
Autoignition Temperature	Not determined
Density	Not available
Solubility	Choroform, Methanol

SECTION 10: Stability and Reactivity

Stability: Stable under recommended conditions

Incompatibility: Strong oxidizers

Decomposition Products: Carbon monoxide, carbon dioxide, nitrogen oxides

Reactivity: No hazardous polymerization known

SECTION 11: Toxicological Information

- **Oral LD₅₀ (Rat):** ~800 mg/kg
- **Skin Effects:** May cause irritation
- **Eye Effects:** Causes irritation
- **Respiratory Effects:** Dust may cause mild irritation

SECTION 12: Ecological Information

- **Biodegradability:** Expected to be readily biodegradable
- **Aquatic Toxicity:** Moderate hazard
- **Bioaccumulation:** Low potential

SECTION 13: Disposal Considerations

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

SECTION 14: Transport Information

- **UN Number:** Not regulated
- **Proper Shipping Name:** Skatole
- **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.

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