

Material Safety Data Sheet (MSDS)

3,5-Dimethylpiperidine

Prepared by Tuoda Industry Limited

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1. Identification

Product Name:	3,5-Dimethylpiperidine
CAS No.:	35794-11-7
EINECS/ELINCS No.:	252-665-7
Recommended Use:	Intermediate for pharmaceuticals and fine chemicals.
Uses Advised Against:	Food, drug, pesticide, or biocidal product use.
Supplier:	Tuoda Industry Limited
Emergency Telephone (24H):	+86 13589106478 (WhatsApp)

2. Hazard(s) Identification

Classification (GHS/OSHA 29 CFR 1910.1200):

- Flammable liquids (Category 3)
- Acute toxicity, oral (Category 4)
- Skin corrosion/irritation (Category 2)
- Serious eye damage/eye irritation (Category 2A)

Signal Word: Warning

Hazard Statements:

- Flammable liquid and vapor.
- Harmful if swallowed.
- Causes skin irritation.
- Causes serious eye irritation.

3. Composition/Information on Ingredients

3,5-Dimethylpiperidine

CAS No.: 35794-11-7

4. First-aid Measures

Inhalation: Move to fresh air. Seek medical attention if symptoms persist.

Skin Contact: Wash thoroughly with soap and water. Seek medical attention if irritation persists.

Eye Contact: Rinse cautiously with water for several minutes. Seek medical attention if necessary.

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

5. Fire-fighting Measures

Suitable Extinguishing Media: Dry chemical, CO₂, alcohol-resistant foam.

Hazards: Flammable vapors may form explosive mixtures with air.

Protective Equipment: Full protective gear and self-contained breathing apparatus.

6. Accidental Release Measures

Personal Precautions: Remove all ignition sources. Ventilate the area. Wear protective equipment.

Environmental Precautions: Prevent from entering drains, surface and ground waters.

Methods for Cleanup: Absorb with inert material and dispose of according to local regulations.

7. Handling and Storage

Handling: Handle under well-ventilated conditions. Keep away from heat, sparks, and open flame.

Storage: Store in tightly closed containers in a cool, dry, and well-ventilated place.

8. Exposure Controls / Personal Protection

Engineering Controls: Adequate ventilation.

Personal Protective Equipment:

- Eyes: Safety goggles (EN166)
- Skin: Protective gloves and clothing
- Respiratory: Suitable respirator if exposure limits are exceeded.

9. Physical and Chemical Properties

Appearance	Colorless to pale yellow liquid
Odor	Amine-like odor
Density at 20°C	0.82 g/cm ³
Melting Point	-20°C
Boiling Point	143-145°C
Flash Point	39°C (closed cup)
Solubility	Soluble in water and organic solvents

10. Stability and Reactivity

Reactivity: No hazardous reactivity under normal conditions.

Stability: Stable under normal conditions.

Incompatible Materials: Strong oxidizing agents.

Decomposition Products: Carbon oxides, nitrogen oxides.

11. Toxicological Information

Acute Toxicity: Harmful if swallowed.

Inhalation: May cause respiratory irritation.

Skin Contact: Causes irritation.

Eye Contact: Causes serious eye irritation.

Ingestion: Harmful if swallowed.

Carcinogenicity: Not classified.

STOT: May cause respiratory irritation.

12. Ecological Information

Ecotoxicity: Harmful to aquatic life with long-lasting effects.

Persistence: Readily biodegradable.

Bioaccumulation: Not expected.

13. Disposal Considerations

Dispose in accordance with local, regional, and national regulations.

14. Transport Information

UN Number	UN1993
Proper Shipping Name	Flammable liquid, n.o.s. (3,5-Dimethylpiperidine)
Hazard Class	3 (Flammable Liquid)
Packing Group	III

15. Regulatory Information

TSCA (US): Listed
EINECS (EU): Listed
REACH: Use restricted.

16. Other Information

Prepared By: Safety & Compliance Department, Tuoda Industry Limited
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Disclaimer: The information herein is accurate to the best of our knowledge. It is provided for safety guidance and does not constitute a warranty.