

Material Safety Data Sheet (MSDS)

N,N-Diethylacetamide

Prepared by Tuoda Industry Limited

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1. Identification

Product Name:	N,N-Diethylacetamide
CAS No.:	100-37-8
EINECS/ELINCS No.:	202-845-2
Recommended Use:	Intermediate for organic synthesis and solvent applications.
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)
- Skin corrosion/irritation (Category 2)
- Serious eye damage/eye irritation (Category 2A)

Signal Word: Warning

Hazard Statements:

- Flammable liquid and vapor.
- Causes skin irritation.
- Causes serious eye irritation.

3. Composition/Information on Ingredients

N,N-Diethylacetamide

CAS No.: 100-37-8

4. First-aid Measures

Inhalation: Move to fresh air. Seek medical attention if breathing becomes difficult.

Skin Contact: Remove contaminated clothing. Wash with plenty of water.

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

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

5. Fire-fighting Measures

Suitable Extinguishing Media: Dry chemical, foam, CO₂.

Specific Hazards: Vapors may form explosive mixtures with air.

Protective Equipment: Self-contained breathing apparatus and full protective gear.

6. Accidental Release Measures

Personal Precautions: Remove ignition sources. Ensure adequate ventilation. Use personal protective equipment.

Environmental Precautions: Prevent release to environment.

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

7. Handling and Storage

Handling: Avoid inhalation of vapor or mist. Keep away from sources of ignition.

Storage: Store tightly closed in a cool, dry, and well-ventilated place away from incompatible materials.

8. Exposure Controls / Personal Protection

Engineering Controls: Use adequate ventilation.

Personal Protective Equipment:

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

9. Physical and Chemical Properties

Appearance	Colorless to light yellow liquid
Odor	Slight amine-like odor
Density at 20°C	0.91 g/cm ³
Melting Point	-60°C
Boiling Point	202-203°C
Flash Point	87°C (closed cup)
Solubility	Miscible with water and organic solvents

10. Stability and Reactivity

Reactivity: Stable under recommended conditions.

Stability: Stable under normal conditions.

Incompatible Materials: Strong oxidizers.

Decomposition Products: Carbon oxides, nitrogen oxides.

11. Toxicological Information

Acute Toxicity: Low acute toxicity.

Inhalation: May cause respiratory irritation.

Skin Contact: Causes skin irritation.

Eye Contact: Causes serious eye irritation.

Ingestion: May cause gastrointestinal discomfort.

Carcinogenicity: Not classified.

STOT: May cause respiratory system effects.

12. Ecological Information

Ecotoxicity: Low toxicity to aquatic life.

Persistence: Readily biodegradable.

Bioaccumulation: Low potential for bioaccumulation.

13. Disposal Considerations

Dispose in accordance with local/regional/national/international regulations.

14. Transport Information

UN Number	UN1993
Proper Shipping Name	Flammable liquid, n.o.s. (N,N-Diethylacetamide)

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.