

SAFETY DATA SHEET

N,N-Diethyl-m-toluamide
Revision Date 18/04/2015



1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:

N,N-Diethyl-m-toluamide

Company: Palica Chemistry Co., Limited

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2. HAZARDS IDENTIFICATION

Emergency Overview

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful if swallowed. Irritating to eyes and skin.

GHS Classification

Acute toxicity, Oral (Category 4), H302

Acute toxicity, Dermal (Category 5), H313

Skin corrosion/irritation (Category 2), H315

Serious eye damage/eye irritation (Category 2A), H319

Short-term (acute) aquatic hazard (Category 3), H402

Long-term (chronic) aquatic hazard (Category 3), H412

GHS Label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard statements

H302 - Harmful if swallowed.

H313 - Maybe harmful in contact with skin.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention

P264 - Wash skin thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P273 - Avoid release to the environment.

P280 - Wear protective gloves/ eye protection/ face protection.

Response

P301 + P312 + P330 - IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.

P302 + P352 - IF ON SKIN: Wash with plenty of water.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 - Call a POISON CENTER/ doctor if you feel unwell.

P332 + P313 - If skin irritation occurs: Get medical advice/ attention.

P337 + P313 - If eye irritation persists: Get medical advice/ attention.

Disposal

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms: N,N-Diethyl-m-toluamide

Molecular Formula: C₁₂H₁₇NO

Molecular Weight: 191.27g/mol

CAS#: 134-62-3

EC-No.: 205-149-7

Concentration: --

4. FIRST AID MEASURES

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area. Remove contaminated clothing.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Get medical attention immediately.

In case of skin contact

Remove contaminated clothing and shoes. Rinse skin with plenty of water or shower. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison center or physician.

In case of eye contact

Immediately flush eyes with plenty of water. Continue to rinse for at least 20 minutes. Get medical attention if irritation occurs.

If swallowed

Wash out mouth with water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Most important symptoms and effects, both acute and delayed

No data available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media

No data available.

Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides(NO_x).

Hazardous thermal decomposition products

No data available.

Special protective actions for fire-fighters

No data available.

Advice for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

Further information

No data available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Personal precautions

Safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Other advice

No further information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Personal protective equipment

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice.

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NOISH (US) or EN 166(EU)..

Skin protection

Avoid contact with skin. Compatible chemical-resistant gloves are recommended. Dispose of contaminated gloves after use in accordance with applicable laws. Wash and dry hands.

Body protection

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form: liquid

Color: colorless to light yellow

Safety data

pH: no data available
Melting point: no data available
Boiling point: 111 °C
Flash point: no data available
Relative density: no data available
Viscosity: Kinematic no data available
Ignition temperature: no data available
Lower explosion limit: no data available
Upper explosion limit: no data available
Relative Density: no data available
Water solubility: no data available
VOC (w/w): no data available

10. **STABILITY AND REACTIVITY**

Storage stability

No data available.

Chemical stability

No data available.

Reactivity

No data available

Possibility of hazardous reactions

No data available.

Conditions to avoid

No data available.

Incompatible materials

Strong oxidizing agents, strong acids, strong bases, strong reducing agents.

Hazardous decomposition products

No data available.

11. **TOXICOLOGICAL INFORMATION**

Primary routes of exposure: No data available.

Acute toxicity:

LD50 Oral - rat - 1950 mg/kg

LC50 Inhalation - rat - 5.950 mg/m³

Remarks: Nutritional and Gross Metabolic: Weight loss or decreased weight gain.

LD50 Dermal - rat - 5.000 mg/kg

Skin corrosion / irritation: Causes skin irritation.

Serious eye damage / eye irritation: Causes eye irritation.

Respiratory or skin sensitization: No data available

Germ cell mutagenicity:

Genotoxicity in vivo - rat - Inhalation
sperm

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity:

Reproductive toxicity - rabbit - Oral

Maternal Effects: Other effects.

Reproductive toxicity - rat - Oral

Maternal Effects: Other effects. Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).

Specific target organ toxicity - single exposure (Globally Harmonized System)

No data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System)

No data available

Aspiration hazard: No data available

Subacute to chronic toxicity: No data available

Additional Information: No data available

12. ECOLOGICAL INFORMATION

Toxicity:

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 110 mg/l - 96,0 h

Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 75 mg/l - 48 h

Persistence and degradability: No data available

Biodegradation: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

PBT and vPvB conclusion: No data available

Other adverse effects: Harmful to aquatic life with long lasting effects.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

ADR/RID

Not regulated.

IMDG

Not regulated.

IATA

Not regulated.

15. REGULATORY INFORMATION

Safety, health and environmental regulations

No data available.

Safety assessment

No chemical safety assessment.

16. OTHER INFORMATION

Further information

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