

# **HAIHANG INDUSTRY CO.,LTD.**

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## **Material Safety Data Sheet**

### **1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

#### **Product identifiers**

Product name : N,N\_di methyl para toluidine

CAS-No. : 99-97-8

Synonyms: N.N-Dimethyl-P-Toluidine

#### **Details of the supplier of the safety data sheet**

Company : Haihang Industry Co.,Ltd

11/F, Sanqing Fengrun Building, No. 100 South Gongye Road,

Jinan city , Shandong Province, China.

Telephone : +86 531 85821096

Fax : +86 53185821093

#### **Emergency telephone number**

Emergency Phone # : +86 531 85821096

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### **2. HAZARDS IDENTIFICATION**

#### **Potential Acute Health Effects:**

Hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.

Severe overexposure  
can result in death.

#### **Potential Chronic Health Effects:**

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC  
EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available. Repeated exposure to a highly toxic material may produce  
general deterioration  
of health by an accumulation in one or many human organs

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### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

<i>Ingredient</i>	<i>CAS#</i>	<i>% Concentration(AL2O3)</i>	<i>EINECS</i>
N,N_di methyl para toluidine	99-97-8	99	202-805-4

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### **4. FIRST AID MEASURES**

#### **Eye Contact:**

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water  
for at least 15  
minutes. Get medical attention.

#### **Skin Contact:**

In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient.

Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

**Serious Skin Contact:**

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Serious Inhalation:**

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband.

WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

**Ingestion:**

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**Serious Ingestion:** Not available.

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## 5. FIRE-FIGHTING MEASURES

**Flammability of the Product:** Combustible.

**Auto-Ignition Temperature:** Not available.

**Flash Points:** CLOSED CUP: 83°C (181.4°F).

**Flammable Limits:** Not available.

**Products of Combustion:** These products are carbon oxides (CO, CO<sub>2</sub>).

**Fire Hazards in Presence of Various Substances:**

Flammable in presence of open flames and sparks, of heat. Non-flammable in presence of shocks.

**Explosion Hazards in Presence of Various Substances:**

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

**Fire Fighting Media and Instructions:**

SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

**Special Remarks on Fire Hazards:** Not available.

**Special Remarks on Explosion Hazards:** Not available.

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## 6. ACCIDENTAL RELEASE MEASURES

**Small Spill:** Absorb with an inert material and put the spilled material in an appropriate waste disposal.

**Large Spill:**

Combustible material. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk.

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## 7. HANDLING AND STORAGE

### Precautions:

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

### Storage:

Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

### Personal Protection:

Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

### Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits:** Not available.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state and appearance:** Liquid.

**Odor:** Not available.

**Taste:** Not available.

**Molecular Weight:** 135.21 g/mole

**Color:** Clear Colorless to light yellow.

**pH (1% soln/water):** Not applicable.

**Boiling Point:** 211°C (411.8°F)

**Melting Point:** Not available.

**Critical Temperature:** Not available.

**Specific Gravity:** 0.937(Water = 1)

**Vapor Pressure:** Not available.

**Vapor Density:** Not available.

**Volatility:** Not available.

**Odor Threshold:** Not available.

**Water/Oil Dist. Coeff.:** Not available.

**Ionicity (in Water):** Not available.

**Dispersion Properties:** Not available.

**Solubility:** Insoluble in cold water, hot water.

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## 10. STABILITY AND REACTIVITY

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Heat, ignition sources, incompatible materials

**Incompatibility with various substances:** Reactive with oxidizing agents.

**Corrosivity:** Not available.

**Special Remarks on Reactivity:** Not available.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

**Routes of Entry:** Absorbed through skin. Dermal contact. Eye contact.

**Toxicity to Animals:**

WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute toxicity

of the vapor (LC50): 1400 mg/m 4 hours [Rat]. 3

**Chronic Effects on Humans:** Not available.

**Other Toxic Effects on Humans:** Hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation.

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:** May affect genetic material (mutagenic)

**Special Remarks on other Toxic Effects on Humans:**

Acute Potential Health Effects: Skin: May cause skin irritation. May be harmful if absorbed through skin.

Eyes: May cause eye

irritation. Inhalation: May cause respiratory tract irritation. May affect respiration (dyspnea, respiratory stimulation). Harmful if

inhaled. Ingestion: May cause gastrointestinal tract irritation with nausea, vomiting, and diarrhea. Harmful if swallowed. The

toxicological properties of this substance have not been fully investigated. Chronic Potential Health Effects: There is a danger of cumulative effects.

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## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

**Products of Biodegradation:**

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** The products of degradation are less toxic than the

product itself.

**Special Remarks on the Products of Biodegradation:** Not available.

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### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal:**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

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### 14. TRANSPORT INFORMATION

**DOT Classification:** CLASS 6.1: Poisonous material.

**Identification:** : Toxic Liquid, Organic, n.o.s. (N,N-Dimethyl-p-toluidine) UNNA: 2810 PG: III

**Special Provisions for Transport:** Not available.

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### 15. REGULATORY INFORMATION

**Federal and State Regulations:** TSCA 8(b) inventory: N,N-Dimethyl-p-toluidine

**Other Regulations:**

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the

European Inventory of Existing Commercial Chemical Substances.

**Other Classifications:**

**WHMIS (Canada):** Not available

**DSCL (EEC):**

R23/24/25- Toxic by inhalation, in contact with skin and if swallowed. R33- Danger of cumulative effects.

R52/53- Harmful

to aquatic organisms, may cause long-term adverse effects in the aquatic environment. S28- After contact with skin, wash

immediately with plenty of [\*\*\*] S36/37- Wear suitable protective clothing and gloves. S45- In case of accident or if you feel

unwell, seek medical advice immediately (show the label where possible). S61- Avoid release to the environment. Refer to

special instructions/Safety data sheets.

**HMIS (U.S.A.):**

**Health Hazard:** 2

**Fire Hazard:** 2

**Reactivity:** 0

**Personal Protection:** h

**National Fire Protection Association (U.S.A.):**

**Health:** 2

**Flammability:** 2

**Reactivity:** 0

**Specific hazard:**

**Protective Equipment:**

Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Splash Goggles.

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### 16. OTHER INFORMATION

**Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. We shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.