

MATERIAL SAFETY DATA SHEET

Product Name: N, N-Dimethylaniline
Catalog Number: 70437
DOT Hazard Class: 6.1
DOT Proper Shipping Name: N, N-Dimethylaniline
UN/NA ID No.: UN2253
MSDS Prepared: 8/2009

Distributed By: Ladd Research
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HAZARDOUS COMPONENTS

	<i>CAS Number</i>	<i>Percent</i>	<i>Exposure Limits</i>
N, N-Dimethylaniline	121-69-7	99	5ppm TWA (ACGIH) 5ppm TWA (OSHA)

PHYSICAL AND CHEMICAL DATA

Appearance and Odor – Yellowish, oily liquid with amine-like odor.

Vapor Pressure – 0.7mm Hg @25 deg C

Vapor Density – 4.17 (air=1)

Viscosity – 1.3 cps @ 25 deg C

Boiling Point – 194 deg C

Freezing Point – 2.45 deg C

Decomposition Temperature - >400 deg C

Solubility in Water – Insoluble

Specific Gravity – 0.956

Molecular Weight – 121.18

FIRE AND EXPLOSION HAZARD DATA

General – Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas. Material is lighter than water and a fire may spread by the use of water to fight the fire.

Extinguishing Media – For small fires, use dry chemical, carbon dioxide or water spray.

Flash Point – 63 deg C

Autoignition Temperature – 371 deg C

Explosion Limits – 1.0% (lower) and 7.0% (higher)

HEALTH HAZARD DATA

Target Organs – Blood, kidneys, central nervous system

Eye – May cause severe eye irritation and may cause corneal injury.

Skin – Skin irritation. May be absorbed through skin in harmful amounts.

Inhalation – Respiratory tract irritation.

Chronic – Possibility of methemoglobinemia and CNS depression.

EMERGENCY AND FIRST AID

Eyes – Immediately flush eyes with plenty water for at least 15 minutes. Seek medical aid.

Skin – Immediately flush skin with plenty water for at least 15 minutes .

Ingestion – Material is poisonous. Only induce vomiting if directed to do so by medical personnel.

Inhalation – Remove to fresh air.

REACTIVITY DATA

Stability – Stable under normal temperatures and pressures.

Conditions to Avoid – Light, ignition sources, prolonged exposure to air.

Incompatibilities – Strong oxidizing agents, strong acids, carbon steel

Hazardous Decomposition Products – Oxides of carbon and oxides of nitrogen.

Hazardous Polymerization – Will not occur.

SPILL, DISPOSAL AND STORAGE INFORMATION

Spills – Absorb spill with inert material (vermiculite, sand, etc) and place in suitable container. Remove all sources of ignition. Use spark-proof tools. Provide ventilation.

Disposal – Consult state, local and federal regulations.

Storage – Store in tightly closed container and in a cool, dry, well-ventilated area. Do not store in metal containers. Protect from light and air. Isolate from oxidizing materials and acids.

PROTECTIVE EQUIPMENT AND CONTROL MEASURES

Engineering Controls – Adequate general or local exhaust.

Eyes – Chemical splash goggles

Skin – Wear appropriate gloves.

SECTION 313 SUPPLIER NOTIFICATION

This product is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR.

The information presented is believed to be correct and is the most accurate information available to us at this time. However, Ladd Research makes no warranty, express or implied, and assumes no liability for this information and the product described herein.