



Material Safety Data Sheet

Section I: Identification & Information

Name: 2,6-Lutidine
Chemical Family: Aromatic Heterocycle
Synonyms: Pyridine; 2,6-Dimethylpyridine; 2,6-Lutidine practical
Formula: C₇H₉N
M.W.: 107.16
DOT Proper Shipping Name: 2,6-Lutidine
DOT Identification No.: n/a
CAS No.: 108-48-5
DOT Hazard Class: Flammable Liquid

Section II: Physical Properties

Appearance: Oily, colorless to yellow liquid	Odor: Pyridine and peppermint
Vapor Pressure @ 20°C: none	Specific Gravity (H ₂ O=1): 0.92
Vapor Density (air=1): 3.7	Percent Volatile by volume: n/a
Evaporation Rate (Ether=1): none	Water Reactive: n/a
Stability: Stable	Solubility in H ₂ O: Soluble
Boiling Point: 143-145°C	Melting point: -6°C

Section III: Reactivity Hazard Data

Stable material under ordinary conditions of use and storage. Hazardous polymerization does not occur.

Conditions to avoid: Heat, sparks, open flames, open containers, poor ventilation.

Materials to avoid: Acids, acid chlorides, oxidizers and chloroformates.

Hazardous decomposition products: Thermal decomposition may produce carbon monoxide, carbon dioxide, and nitrogen oxides.

Section VII: Special Protection

Ventilation: Use only in a chemical fume hood. Adequate ventilation is required to control vapors and odor.

Respiratory Protection: Half-mask charcoal respirators should be worn if exposure to vapor is apparent.

Skin Protection: Impervious protective rubber gloves and clothing are recommended. The choice of material must be based on chemical resistance and other user requirements.

Eye Protection: Laboratory safety glasses are minimum protection. Goggles are preferred. Contact lenses should not be worn when working with this material.

Emergency eye wash fountains and safety showers should be available in the vicinity of any potential exposure. Ground and bond metal containers to minimize sparks.

Section VIII: Spill and Disposal Procedures

If a spill occurs, protect from ignition. Evacuate area. Ventilate area of spill. Wear protective clothing (rubber boots and heavy rubber gloves) and use approved respiration equipment suitable for vapors. Use non-sparking tools and transport outdoors. Contain and recover liquid when possible. Collect as hazardous waste: absorb with vermiculite, dry sand, earth or similar material for disposal as hazardous waste.

Waste Disposal: Dispose of in a suitable, approved combustion chamber. Do not flush to sewer. Ensure compliance with local, state and federal regulations.

Section IX: Storage

2,6-Lutidine should be stored in a tightly sealed container, protected from physical damage and stored in a cool, dry, ventilated area away from areas where fire hazards may be acute. Separate from oxidizing materials.

Containers should be bonded and grounded for transfers to avoid static sparks.

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Key:

ca: Approximately

STEL: Short Term Exposure Level

TLV: Threshold Limit Value

n/a: not available

PEL: Permissible Exposure Level

BuAc: Butyl Acetate

TWA: Time Weighted Average