



## MATERIAL SAFETY DATA SHEET

CONTACT : **LEONID CHEMICALS**  
Leonid Chemicals Pvt Ltd  
62/A-2 1st Stage, Yeshwanthpur Industrial Suburb  
Ashokpuram School Road  
Bangalore-560 022, Karnataka, INDIA  
Ph: +91-80-2337 8354, Fax: +91-80-2357 4827

2,6-LUTIDINE, 99%

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MSDS Name:** 2,6-LUTIDINE, 99%

**Catalog Numbers:**

12519-0000, 12519-0010, 12519-0050, 12519-2500

**Synonyms:**

2,6-Dimethylpyridine

**Company Identification (Europe):** Acros Organics BVBA

Janssen Pharmaceuticaaan 3a

2440 Geel, Belgium

**Company Identification (USA):** Acros Organics

One Reagent Lane

Fairlawn, NJ 07410

For information in North America, call: 800-ACROS-01

For information in Europe, call: 0032(0) 14575211

For emergencies in the US, call CHEMTREC: 800-424-9300

For emergencies in Europe, call: 0032(0) 14575299

### SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS #	:	108-48-5
Chemical Name	:	2,6-LUTIDINE
%	:	99%
EINECS#	:	203-587-3
Hazard Symbols	:	XN
Risk Phrases	:	10 20/21/22

### SECTION 3 - HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Flammable. Harmful by inhalation, in contact with skin and if swallowed. Hygroscopic (absorbs moisture from the air).

#### Potential Health Effects

Eye:

Causes redness and pain.

Skin:

Harmful if absorbed through the skin. Causes redness and pain. If absorbed, may cause symptoms similar to those for ingestion.

Ingestion:

Harmful if swallowed. Causes cough, sore throat, chest pain, and lightheadedness.

Inhalation:

Harmful if inhaled. May cause nausea, dizziness, and headache.

Chronic:

May cause liver and kidney damage.

---

## SECTION 4 - FIRST AID MEASURES

---

### Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

### Skin:

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

### Ingestion:

Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

### Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

### Notes to Physician:

---

## SECTION 5 - FIRE FIGHTING MEASURES

---

### General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. Will burn if involved in a fire. Containers may explode in the heat of a fire. Flammable liquid and vapor.

### Extinguishing Media:

Use foam, dry chemical, or carbon dioxide.

---

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

---

**General Information:** Use proper personal protective equipment as indicated in Section 8.

### Spills/Leaks:

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Use a spark-proof tool.

---

## SECTION 7 - HANDLING and STORAGE

---

### Handling:

Use spark-proof tools and explosion proof equipment. Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

### Storage:

Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container. Flammables-area.

---

## SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

---

### Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

### Personal Protective Equipment

#### Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

#### Skin:

Wear appropriate protective gloves to prevent skin exposure.

#### Clothing:

Wear appropriate protective clothing to prevent skin exposure.

#### Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

---

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

---

Physical State: Clear liquid

Color: Not available.

Odor: peppermint odor

pH: Not available.

Vapor Pressure: 4 mm Hg @ 20 deg C

Viscosity: Not available.

Boiling Point: 143 - 145 deg C @ 760.00mm Hg

Freezing/Melting Point: -6 deg C

Autoignition Temperature: Not available.

Flash Point: 33 deg C ( 91.40 deg F)

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Decomposition Temperature:

Solubility in water: 40 G/100ML WATER (20°C)

Specific Gravity/Density: .9200g/cm<sup>3</sup>

Molecular Formula: C<sub>7</sub>H<sub>9</sub>N

Molecular Weight: 107.15

---

## SECTION 10 - STABILITY AND REACTIVITY

---

### Chemical Stability:

Stable under normal temperatures and pressures.

### Conditions to Avoid:

Incompatible materials, exposure to moist air or water.

### Incompatibilities with Other Materials:

Oxidizing agents, acids, acid chlorides, chloroformates.

### Hazardous Decomposition Products:

Nitrogen oxides, carbon monoxide, carbon dioxide.

**Hazardous Polymerization: Will not occur.**

---

## SECTION 11 - TOXICOLOGICAL INFORMATION

---

**RTECS#:**

CAS# 108-48-5: OK9700000

**LD50/LC50:**

CAS# 108-48-5: Dermal, guinea pig: LD50 = 2500 mg/kg; Oral, rat:

LD50 = 400 mg/kg.

Skin, guinea pig: LD50 = 1240 mg/kg

**Carcinogenicity:**

2,6-LUTIDINE -

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

**Other:**

See actual entry in RTECS for complete information.

---

## SECTION 12 - ECOLOGICAL INFORMATION

---

---

## SECTION 13 - DISPOSAL CONSIDERATIONS

---

Dispose of in a manner consistent with federal, state, and local regulations.

---

## SECTION 14 - TRANSPORT INFORMATION

---

**IATA**

Shipping Name: FLAMMABLE LIQUID, TOXIC, N.O.S.\*

Hazard Class: 3

UN Number: 1992

Packing Group: III

**IMO**

Shipping Name: FLAMMABLE LIQUID, TOXIC, N.O.S.

Hazard Class: 3

UN Number: 1992

Packing Group: III

**RID/ADR**

Shipping Name: FLAMMABLE LIQUID, TOXIC, N.O.S.

Hazard Class: 3

UN Number: 1992

Packing group: III

---

## SECTION 15 - REGULATORY INFORMATION

---

**European/International Regulations**

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 10 Flammable.

R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

**Safety Phrases:**

S 16 Keep away from sources of ignition - No smoking.

S 36/37 Wear suitable protective clothing and gloves.

WGK (Water Danger/Protection)

CAS# 108-48-5: No information available.

**United Kingdom Occupational Exposure Limits**

**United Kingdom Maximum Exposure Limits**

**Canada**

CAS# 108-48-5 is listed on Canada's DSL List.

CAS# 108-48-5 is not listed on Canada's Ingredient Disclosure List.

**Exposure Limits**

**US FEDERAL**

**TSCA**

CAS# 108-48-5 is listed on the TSCA inventory.

---

**SECTION 16 - ADDITIONAL INFORMATION**

---

MSDS Creation Date: 7/16/1996 Revision #0 Date: Original.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.