



Resonance Specialties Limited

MATERIAL SAFETY DATA SHEET

2,6 Lutidine

1. IDENTIFICATION :

Trade name : 2,6 Lutidine
Chemical formula : C₇H₉N
CAS number : 108-48-5
EINECS number : 203-587-3
Use : Industrial

2. COMPOSITION AND INFORMATION ON INGREDIENTS

This product is considered to be hazardous.

Substance name	CAS no.	Concentration(%)
2,6 Dimethyl Pyridine	108-48-5	99.5%

3. HAZARDS IDENTIFICATION

Risk Phrases	:	Flammable
	:	Harmful by inhalation and if swallowed.
Hazard label (s)	:	Harmful
NFPA Label	:	Health hazard: 3. Fire hazard : 3. Hazardous reaction : 0
Primary route of exposure	:	Eyes. Inhalation. Ingestion

Symptoms relating to use

Inhalation	:	Symptoms of overexposure to vapours include : Headache. Dizziness. Drowsiness. Nausea.
Skin contact	:	Irritating to skin. Absorbed through the skin
Eye contact	:	Severe eye irritant. Risk of serious damage to eyes.
Ingestion	:	Severe ingestion hazard. Abdominal pain,nausea,Diarrhea, Vomiting.

4. FIRST AID MEASURES

Inhalation	:	If overcome by exposure,remove victim to fresh air immediately. Seek medical advice. If not breathing, give artificial respiration, Preferably mouth to mouth.
Skin contact	:	Wash skin thoroughly with mild soap and water. Seek medical attention if ill effect or irritation develops.
Eye contact	:	Continue to rinse eye with clean water for 20-30 minutes, retracting eyelids often. Obtain emergency medical attention if pain, blinking, tears or redness persist.

Ingestion : Induce vomiting if victim completely conscious/alert. Obtain medical attention. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Flammable class : Flammable.

Prevention sources : No naked lights. No smoking. Keep away from Of ignition.

Extinguishing media : Foam. Dry chemical. Carbon dioxide. Water

Protection against fire : All fire-fighting personnel must wear safety suits. Use self-contained breathing apparatus when in close Proximity to fire. Exercise caution when fighting any Chemical fire.

6. Accidental Release Measures

Personal precautions: Equip cleanup crew with proper protection. Respiratory Protection equipment may be necessary. Wear suitable Protective clothing and gloves.

Environmental precautions : Prevent entry to sewers and public water. Notify Authorities if liquid enter sewers or public waters.

After spillage and/or Leakage : Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers. Remove ignition sources. Flush with plenty of water.

7. Handling and Storage

General : No naked lights. No smoking

Technical protective Measures : Ground well. Use only non-sparking tools. Store in dry, Cool, well-ventilated area. Provide local exhaust or General room ventilation.

Storage – away from : Heat sources. Open flame.

Handling : Handle in accordance with good industrial hygiene and safety Procedures. Wash hands and other exposed areas with mild soap And water before eating, drinking, smoking and when leaving Work. For even minor contact, immediately remove contaminated Clothing/wash skin thoroughly with mild soap/water. Ensure Prompt removal from eyes, skin and clothing. Where contact With eyes or skin is likely wear suitable protection.

8.EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection: Approved dust or mist respirator should be used if airborne particulate are generated when handling this material

Skin Protection : If skin contact or contamination of clothing is likely, protective clothing should be worn.

Eye protection : Chemical goggles or safety glasses. Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles.

Ingestion : when using, do not eat, drink or smoke.

Industrial hygiene : Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Liquid

Colour : Yellow

Odour : Characteristic

Molecular Weight : 107

Freezing point [degree C] : -7

Initial boiling point [degree C]	: 144
Density	: 0.923 (@20 degree C)
Vapour pressure mm/Hg	: No data available
Relative vapour density (air=1)	: No data available
Solubility in water	: complete. (@20 degree C)
Flash point [degree C](ASTM D 93)	: 37
Auto-ignition temperature [degree C]	: No data available
Explosion limits – lower [%]	: No data available
Explosion limits – upper [%]	: No data available
Log p octanol / water at 20 degree C	: No data available

10. Stability and Reactivity

Hazardous decomposition products	: Thermal decomposition generates: Hydrogen cyanide. Nitrogen oxides.
Hazardous reactions	: Reacts with: Strong oxidizing agents. Reacts violently with acids.
Hazardous properties	: Agitation can cause build up of electrostatic charge.
Conditions to avoid	: Heat. Sparks. Open f

11. Toxicological Information

Rat oral LD50 [mg/kg]	: 400-800
Rabbit dermal LD50 [mg/kg]	: >1000
Rat inhalation LC50 [mg/kg]	: No data available

12. Ecological Information

Ecological effects information	: No data available
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13. Disposal Consideration

Disposal : Hazardous waste due to toxicity. Dispose of this material and its Container at hazardous or special waste collection point.

Waste-disposal

Procedures : Respiratory protection equipment may be necessary. Procedure Requires the use of protective gloves, apron, boots, head and face Protection.

14. Transport Information

Proper shipping name : 1993 Flammable liquid, toxic, n.o.s., 3, 32 degree C) ADR

UN No. : 1993

H.I. nr : 36

ADR/RID : Group : c
Item : 32 degree
Class : 3
Labels : 3+6.1

IMO-IMDG code : Flammable liquid, toxic, n.o.s. (2,6-dimethylpyridine)
Class : 3 PKG III. Flash Point : 37 degree C
IMDG (Amdt 27-94) p: 3346-1
EmS-Nr : 3-07, MFAG-Nr : 325
Labels : 3+6.1

ICAO/IATA : Flammable liquid, toxic, n.o.s (2,6-dimethylpyridine)
Class : 3 , PG III
Labels : 3+6.1
PAX 309 (601), CAO 310 (2201)

15. Regulatory Information

R Phrase(s) : R10 – Flammable.
R20/22 – Harmful by inhalation and is swallowed.

S Phrase(s) : S26 – In case of contact with eyes, rinse immediately with Plenty of water and seek medical advice.
S36 – Wear suitable protective clothing,
S45 – In case of accident or if you feel unwell, seek medical Advice immediately (show the label when possible)

16.Other Information

Recommended uses and restrictions : None