

CAS No: 100-69-6  
RTECS No: UU1040000  
UN No: 3073

2-Ethenylpyridine  
alpha-Vinylpyridine  
C<sub>7</sub>H<sub>7</sub>N / H<sub>2</sub>C=CHC<sub>5</sub>H<sub>4</sub>N  
Molecular mass: 105.14

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
<b>FIRE</b>	Flammable. Gives off irritating or toxic fumes (or gases) in a fire.	NO open flames, NO sparks, and NO smoking.	Powder, AFFF, foam, carbon dioxide.
<b>EXPLOSION</b>	Above 32°C explosive vapour/air mixtures may be formed. Risk of fire and explosion (see Chemical Dangers).	Above 32°C use a closed system, ventilation, and explosion-proof electrical equipment. Do NOT expose to friction or shock.	In case of fire: keep drums, etc., cool by spraying with water.

EXPOSURE		PREVENT GENERATION OF MISTS! AVOID ALL CONTACT!	
<b>Inhalation</b>	Cough. Headache. Nausea. Sore throat. Nervousness. Anorexia.	Ventilation, local exhaust, or breathing protection.	Fresh air, rest. Refer for medical attention.
<b>Skin</b>	MAY BE ABSORBED! Redness. Serious skin burns. Pain (further see Inhalation).	Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse and then wash skin with water and soap. Refer for medical attention.
<b>Eyes</b>	Redness. Pain.	Face shield, or eye protection in combination with breathing protection.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
<b>Ingestion</b>	(Further see Inhalation).	Do not eat, drink, or smoke during work.	Rinse mouth. Induce vomiting (ONLY IN CONSCIOUS PERSONS!). Refer for medical attention.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Collect leaking and spilled liquid in sealable containers as far as possible. Absorb remaining liquid in sand or inert absorbent and remove to safe place. (Extra personal protection: chemical protection suit).	UN Hazard Class: 6.1 UN Subsidiary Risks: 3 and 8 UN Pack Group: II  Do not transport with food and feedstuffs.

EMERGENCY RESPONSE	STORAGE
Transport Emergency Card: TEC (R)-61G61b	Fireproof. Separated from strong oxidants, strong acids, food and feedstuffs. Keep in the dark. Well closed. Store only if stabilized.

### IMPORTANT DATA

**Physical State; Appearance**

COLOURLESS LIQUID, WITH PUNGENT ODOUR.

**Chemical dangers**

The substance violently polymerize, with fire or explosion hazard. May explosively decompose on shock, friction, or concussion. The substance decomposes on heating or on burning producing toxic fumes of cyanide and nitrogen oxides. Reacts violently with strong oxidants. Strong acids are incompatible.

**Occupational exposure limits**

TLV not established.

**Routes of exposure**

The substance can be absorbed into the body by inhalation of its vapour, through the skin and by ingestion.

**Inhalation risk**

No indication can be given about the rate in which a harmful concentration in the air is reached on evaporation of this substance at 20°C.

**Effects of short-term exposure**

The substance may cause effects on the skin, resulting in delayed burns and is severely irritating to the eyes and the respiratory tract.

**Effects of long-term or repeated exposure**

Repeated or prolonged contact may cause skin sensitization.

### PHYSICAL PROPERTIES

Boiling point: 159-160°C  
Relative density (water = 1): 1.00  
Solubility in water: moderate

Vapour pressure, kPa at 44.5°C: 1.33  
Flash point: 42°C  
Octanol/water partition coefficient as log Pow: 1.39

### ENVIRONMENTAL DATA

### NOTES

An added stabilizer or inhibitor can influence the toxicological properties of this substance, consult an expert.

### ADDITIONAL INFORMATION

**LEGAL NOTICE**

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible for the use which might be made of this information