

## 1. Product and Company Identification

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Product Name 4-Pyridinecarboxylic acid  
Product Type RXSOL-61-6396-100

### Company Details:

**RX MARINE INTERNATIONAL**  
**105, A wing , BSEL , TECH PARK.**  
**VASHI ,NEW BOMBAY 400703 INDIA**

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## 2. Composition / Information on ingredients

### Composition/information on ingredients

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Formula	C <sub>6</sub> H <sub>5</sub> NO <sub>2</sub> (Hill)
CAS-No	55-22-1
EC-No	200-228-2
Molar mass	123,11 g/mol

## 3. Hazards Identification

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**Classification (REGULATION (EC) No 1272/2008) :** Eye irritation, Category 2, H319 For the full text of the R-phrases mentioned in this Section, see Section 16.

Signal word	Warning
Hazard statement:	H319 Causes serious eye irritation.
Precautionary statements:	P260 Do not breathe dust. P262 Do not touch eyes.
P305 + P351 + P338 IF IN EYES:	Rinse cautiously with water for several minutes.

Symbol(s)	Xi	Irritant
R-phrases(s)	36	Irritating to eyes.
S-phrases(s)	22-24-26	Do not breathe dust. Avoid contact with skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
EC-No.	200-228-2	

## 4. First Aid Measures

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After inhalation	Fresh air.
After skin contact	Wash off with plenty of water. Remove contaminated clothing.
After swallowing	Immediately make victim drink water (two glasses).
Most important symptoms and effects, both acute and delayed	Irritant effects
Indication of immediate medical attention and special treatment needed	No information available.

## 5. Fire-fighting Measures

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## Special hazards arising from the substance or mixture:

Combustible material	Development of hazardous combustion gases or vapour evolution of nitrogen oxides
Advice for firefighters	Special protective equipment for fire-fighters. In- apparatus
Further information	Prevent fire extinguishing water from contaminating Suppress (knock down) gases/vapours/mists with a water

## 6. Accidental Release Measures

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Advice for non emergency personnel:	Avoid substance contact. Avoid inhalation of dusts or area, observe emergency procedures, consult an expert
Advice for emergency responders	Protective equipment see section 8
Environmental precautions	Do not empty into drains.
Methods and materials for containment and cleaning up:	Cover drains. Collect, bind, and pump off spills. Observe and 10.5). Take up dry. Dispose of properly. Clean up
Reference to other sections	Indications about waste treatment see section 13

## 7. Handling and Storage

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Precautions for safe handling	Observe label precautions. Conditions for safe storage Dry.
Storage temperature	no restrictions
Storage temperature	Apart from the uses mentioned in section 1.2 no other

## 8. Exposure controls and personal protection

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### Control parameters:

Contains no substances with occupational exposure limit values.

### Exposure controls: Engineering measures

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

**Individual protection measures:** Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier. Hygiene measures: Change contaminated clothing. Preventive skin protection recommended. Wash hands after working with substance.

**Eye/face protection:** Safety glasses

### Hand protection:

#### full contact:

Glove material	Nitrile rubber
Glove thickness	0,11 mm
Break through time	> 480 min

#### splash contact:

Glove material	Nitrile rubber
Glove thickness	0,11 mm
Break through time	> 480 min

The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374

**Other protective equipment: protective clothing:**

**Respiratory protection:** required when dusts are generated.

**Recommended Filter type:** Filter P 2 (acc. to DIN 3181) for solid and liquid particles of harmful substances The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

**Environmental exposure controls:** Do not empty into drains.

## 9. Physical and chemical properties

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**Information on basic physical and chemical properties :**

Form	Powder
Colour	White
Odour	Odourless
Odour Threshold	No information available.
pH	3 - 4 at 6 g/l 20 °C (saturated solution)
Melting point	315 - 319 °C
Boiling point/boiling range	260 °C at 20 hPa
Flash point	No information available.
Evaporation rate	No information available.
Flammability (solid, gas)	No information available.
Lower explosion limit	No information available.
Upper explosion limit	No information available.
Vapour pressure	No information available.
Relative vapour density	4,2
Relative density	No information available.
Water solubility	6 g/l at 20 °C
Partition coefficient: noctanol/water	