

## 1. Product and Company Identification

www.rxmarine.com

Product Name Alkyl Pyridine  
Part Number RXSOL-19-1380-200

### Company Details:....

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

Branch : Kandla, Mumbai , Chennai, Vizag, Kolkata, UAE , OMAN , CANADA and KENYA

Phone +91 22 20871200 - 1400  
Fax +91 22 27612100 ::AOH :0091 9821214367  
Email [mail@rxmarine.com](mailto:mail@rxmarine.com)  
Website [www.rxmarine.com](http://www.rxmarine.com)

## 2. Composition / Information on ingredients

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### Mixtures

### Components

Remarks No hazardous ingredients

## 3. Hazards Identification

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### Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

### Label elements

Labelling (REGULATION (EC) No 1272/2008) Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

### Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine

disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100

or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have

endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU)

2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

May form explosible dust-air mixture if dispersed.

## 4. First Aid Measures

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### Description of first aid measures

#### **If inhaled**

Move to fresh air.

If unconscious, place in recovery position and seek medical advice.

#### **In case of skin contact**

If symptoms persist, call a physician.

Wash with water and soap as a precaution.

If on clothes, remove clothes.

In the case of skin irritation or allergic reactions see a physician.

#### **In case of eye contact**

Flush eyes with water as a precaution.

Remove contact lenses.

Keep eye wide open while rinsing.

Protect unharmed eye.

If eye irritation persists, consult a specialist.

#### **If swallowed**

Clean mouth with water and drink afterwards plenty of water.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician.

### **Most important symptoms and effects, both acute and delayed**

#### Symptoms

No information available.

### **Indication of any immediate medical attention and special treatment needed**

#### Treatment

Treat symptomatically.

## 5. Fire-fighting Measures

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### Extinguishing media

#### **Suitable extinguishing media**

Water spray

#### **Special hazards arising from the substance or mixture**

#### **Specific hazards during firefighting**

Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard.

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In a fire or if heated, a pressure increase will occur and the container may burst, with the

risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along

the ground. Vapors may accumulate in low or confined areas or travel a considerable

distance to a source of ignition and flash back.

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the ground. Vapors may accumulate in low or confined areas or travel a considerable

distance to a source of ignition and flash back.

Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Heating or fire can release toxic gas.

Carbon oxides (COx)

spray to keep fire-exposed containers cool. Promptly isolate the scene by removing all persons from the vicinity of the incident if

there is a fire. No action shall be taken involving any personal risk or without suitable

training. Move containers from fire area if this can be done without risk. Use water

spray to keep fire-exposed containers cool.

In the event of fire, wear self-contained breathing apparatus.

## **Hazardous combustion products**

### **Advice for firefighters**

Special protective equipment for firefighters

Further information

Use personal protective equipment.  
Use a water spray to cool fully closed containers

## 6. Accidental Release Measures

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### Personal precautions, protective equipment and emergency procedures

Personal precautions

Use personal protective equipment.  
Avoid dust formation.

### Environmental precautions

Environmental precautions

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. Try to prevent the material from entering drains or water courses.

### Methods and material for containment and cleaning up

Methods for cleaning up

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. Pick up and arrange disposal without creating dust. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

Reference to other sections

For personal protection see section 8.  
For disposal considerations see section 13.

## 7. Handling and Storage

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### Precautions for safe handling

Advice on safe handling

No special precautions required.

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Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations.

For personal protection see section 8.

During processing, dust may form explosive mixture in air.

Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed. Take precautionary measures

against static discharges.

Handle in accordance with good industrial hygiene and safety practice.

St1

### **Advice on protection against fire and explosion**

### **Hygiene measures**

### **Dust explosion class**

### **Conditions for safe storage, including any incompatibilities**

Requirements for storage areas and containers

Keep container tightly closed. Keep in a well-ventilated place.

Electrical installations / working materials must comply with the technological safety standards. To maintain product quality, do

not store in heat or direct sunlight.

Avoid moisture

No special restrictions on storage with other products

Store dry

Further information on storage conditions

Advice on common storage

Further information on storage stability

## **8. Exposure controls and personal protection**

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### **Control parameters**

### **Occupational exposure limit**

Contains no substances with occupational exposure limit values.

### **Exposure controls**

#### **Engineering measures**

It is recommended that all dust control equipment such as local exhaust ventilation and material transport

systems involved in handling of this product contain explosion relief vents or an explosion suppression

system or an oxygen deficient environment.

Use only appropriately classified electrical equipment and powered industrial trucks.

Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing

equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no

leakage from the equipment).

## Personal protective equipment

Eye protection	Safety glasses
Hand protection	Wear protective gloves. Break through time : > 480 min
Remarks	
Skin and body protection	Choose body protection according to the amount and concentration of the dangerous substance at the work place.
	Lightweight protective clothing
Respiratory protection	In the case of dust or aerosol formation use respirator with an approved filter.
Filter type	Particulate type (P1/N95) (P1-P)

## 9. Physical and chemical properties

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### Information on basic physical and chemical properties

Physical state	solid
Appearance	powder
Colour	white
Odor	odourless
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flammability	No data available
Upper explosion limit / Upper flammability limit	Not applicable
Lower explosion limit / Lower flammability limit	Not applicable
Flash point	Not applicable
Auto-ignition temperature	No data available
Decomposition temperature	No data available

**materials. Extremely flammable in the presence of the following materials or conditions: oxidizing**

#### materials.

pH	No data available
Viscosity Viscosity, kinematic	Not applicable
Solubility(ies) Water solubility	10 g/l (80 °C)
Partition coefficient: n-octanol/water	No data available
Vapour pressure	No data available
Relative density	No data available
Density	1,49 g/cm <sup>3</sup>
Relative vapour density	Not applicable
Particle characteristics Particle size	No data available
Other information	
Dust explosion class	St1

## 10. Stability and reactivity

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Reactivity	No decomposition if stored and applied as directed
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	
Hazardous reactions	

Stable under recommended storage conditions.

No hazards to be specially mentioned.

Dust may form explosive mixture in air

Avoid dust formation. Heat

**Conditions to avoid**

**Incompatible materials**

Materials to avoid

Oxidizing agents

Strong acids and strong bases

**Hazardous decomposition products**

No decomposition if used as directed.

## 11. Toxicological information

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**Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity**

Acute oral toxicity

Remarks: No data available

Acute inhalation toxicity

Remarks: No data available

Remarks: No data available

Remarks: No data available

Acute dermal toxicity

**Skin corrosion/irritation**

Remarks: No data available

**Serious eye damage/eye irritation**

Remarks: No data available

**Respiratory or skin sensitisation**

Remarks: No data available

**Germ cell mutagenicity**

Genotoxicity in vitro

Remarks: No data available

**Carcinogenicity**

Remarks: No data available

**Reproductive toxicity**

Effects on fertility

Remarks: No data available

**STOT - single exposure**

Remarks: No data available

**STOT - repeated exposure**

Remarks: No data available

**Aspiration toxicity**

No aspiration toxicity classification

**Information on other hazards**

## Endocrine disrupting properties

Assessment

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Remarks: No data available

Further information

## 12. Ecological information

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### Toxicity

Toxicity to fish

Remarks: No data available

### Persistence and degradability

Biodegradability

Remarks: No data available

### Bioaccumulative potential

Bioaccumulation

Remarks: No data available

### Mobility in soil

Remarks: No data available

Distribution among environmental compartments

### Results of PBT and vPvB assessment

Assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## Endocrine disrupting properties

Endocrine disrupting potential

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### Other adverse effects

Additional ecological information

No data available

## 13. Disposal considerations

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Waste treatment methods

<b>Product</b>	Dispose of contents/container in accordance with local regulation.
<b>Contaminated packaging</b>	Contact waste disposal services. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

[www.rxmarine.com](http://www.rxmarine.com)

**IATA** Not dangerous goods

<b>UN number</b>	Not applicable
<b>UN proper shipping name</b>	Not applicable
<b>Transport hazard class(es)</b>	Not applicable
<b>Packaging group</b>	Not applicable
<b>Environmental hazards</b>	No

**IMDG** Not dangerous goods

<b>UN number</b>	Not applicable
<b>UN proper shipping name</b>	Not applicable
<b>Transport hazard class(es)</b>	Not applicable
<b>Packaging group</b>	Not applicable
<b>Environmental hazards</b>	Marine pollutant: no

**ADR** Not dangerous goods

<b>UN number</b>	Not applicable
<b>UN proper shipping name</b>	Not applicable
<b>Transport hazard class(es)</b>	Not applicable
<b>Packaging group</b>	Not applicable
<b>Environmental hazards</b>	No

**RID** Not dangerous goods

<b>UN number</b>	Not applicable
<b>UN proper shipping name</b>	Not applicable
<b>Transport hazard class(es)</b>	Not applicable
<b>Packaging group</b>	Not applicable
<b>Environmental hazards</b>	No

**DOT** Not dangerous goods

<b>UN number</b>	Not applicable
<b>UN proper shipping name</b>	Not applicable
<b>Transport hazard class(es)</b>	Not applicable
<b>Packaging group</b>	Not applicable

**TDG** Not dangerous goods

<b>UN number</b>	Not applicable
<b>UN proper shipping name</b>	Not applicable
<b>Transport hazard class(es)</b>	Not applicable
<b>Packaging group</b>	Not applicable
<b>Environmental hazards</b>	No

**Special precautions for user**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

**Maritime transport in bulk according to IMO instruments**

Not applicable for product as supplied.

**15. Regulatory information** [www.rxmarine.com](http://www.rxmarine.com)

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	Not applicable
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	Not applicable
Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.	Not applicable
Water hazard class (Germany)	WGK 1 slightly hazardous to water
<b>Chemical safety assessment</b>	not required

**16. Other information** [www.rxmarine.com](http://www.rxmarine.com)

**Other Information**

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