

## 1. Product and Company Identification

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Product Name Pentane (N-)  
Part Number RXSOL-19-1415-025  
Chemical Formula C5H12

### 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

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Name of Substance	Cas Number
n-Pentane	109-66-0

## 3. Hazards Identification

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Classification according to Regulation (EC) No 1272/2008

Hazard statement(s)

Precautionary statement(s)

Supplemental Hazard information (EU)

Other Hazards

Flammable liquids (Category 2), H225  
Aspiration hazard (Category 1), H304  
Specific target organ toxicity - single exposure (Category 3), H336  
Chronic aquatic toxicity (Category 2), H411  
For the full text of the H-Statements mentioned in this  
H225 Highly flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.  
P210 Keep away from heat/sparks/open flames/hot surfaces.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ smoke.  
P273 Avoid release to the environment.  
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor if you feel unwell.

P331 Do NOT induce vomiting.

EUH066 Repeated exposure may cause skin dryness or irritation.

None

## 4. First Aid Measures

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General advice

Inhalation

Skin Contact / Absorption

Eye Contact

Swallowed

Consult a physician. Show this safety data sheet to the physician.  
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Wash off with soap and plenty of water. Consult a physician.  
Flush eyes with water as a precaution.

Clean mouth with water and drink afterwards plenty of water. If swallowed, do not induce vomiting. Consult a physician.

Most important symptoms/effects, acute and delayed

The most important known symptoms and effects and/or in section 11.

Indication of any immediate medical attention and special treatment needed. Notes to Physician

No Data Available

## 5. Fire-fighting Measures

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Suitable Extinguishing Media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture Carbon oxides

Advice for firefighters Wear self contained breathing apparatus for fire fighting if necessary.

Further Information Use water spray to cool unopened containers.

## 6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures.

Use personal protective equipment. Avoid breathing vapours. Remove all sources of ignition. Evacuate area if necessary. Ventilate area. Accumulating to form explosive concentrations. Vapours may be harmful. For personal protection see section 8.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not release into the environment must be avoided.

Methods and material for containment and cleaning up

Contain spillage, and then collect with an electrically powered vacuum. Place in container for disposal according to local regulations.

Reference to other sections

For disposal see section 13.

## 7. Handling and Storage

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Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapours. Keep away from sources of ignition - No smoking. Avoid static discharge. Electrostatic charge. For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a well-ventilated area. Containers that are opened must be carefully resealed and kept upright. Refrigerate before opening.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other uses are recommended.

## 8. Exposure controls and personal protection

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Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practices. Use at the end of workday.

Eye/face protection

Face shield and safety glasses Use equipment for eye protection in accordance with appropriate government standards such as NIOSH (US) or EN 1866 (EU).

Skin Protection

Handle with gloves. Gloves must be inspected prior to use. Do not use if the outer surface is contaminated. Wash and dry hands. Wash and dry hands.

Body Protection

Complete suit protecting against chemicals, Flame retardant protective equipment must be selected according to the hazard of the substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are necessary: multi-purpose combination (US) or type AXBEK (EU). If the respirator is the sole means of protection, use a full-facepiece respirator. Use respirators and components tested and approved according to standards such as NIOSH (US) or CEN (EU).

## 9. Physical and chemical properties

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Appearance	liquid, clear
Colour	colourless
Odour	No Data Available
Odor Threshold	No Data Available
pH	No Data Available
Melting Point/Freezing Point	-130 °C - lit.point
Initial Boiling Point and Boiling Range	35 - 36 °C - lit
Flash Point	-49,0 °C - closed cup
Evaporation Rate	No Data Available
Solid Flammability (solid,gas)	No information available
Upper/lower Upper explosion limit	Upper explosion limit: 8,3 %(V)
flammability or Lower explosion limit	Lower explosion limit: 1,4 %(V)
Vapor Pressure	579,0 hPa at 20,0 °C 1.859,7 hPa at 55,0 °C
Vapor Density	No information available
Relative density	0,626 g/cm3 at 25 °C
Auto-ignition	No information available
Water Solubility	No information available
Solubility in other solvents	No information available
Partition coefficient	n- log Pow: 3,39 Octanol/water
Auto-ignition	260,0 °C temperature
Decomposition	No information available
Viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No Data Available
Other safety information	No Data Available

## 10. Stability and reactivity

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Reactivity	No Data Available
Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reaction	No Data Available
Conditions to Avoid	Heat, flames and sparks. Extremes of temperature
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Other decomposition products - no data available In the

## 11. Toxicological information

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Acute toxicity	LD50 Oral - mouse - 5.000 mg/kg LC50 Inhalation - rat - 4 h - 364.000 mg/m3 LD50 Dermal - rabbit - 3.000 mg/kg
Skin corrosion/irritation	Skin - rabbit Result: No skin irritation (OECD Test Guideline 404)

Serious eye damage/irritation	No data available.
Respiratory or skin sensitization; Respiratory	No data available.
Germ cell mutagenicity	Ames test S. typhimurium Result: negative
Carcinogenicity	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or known human carcinogen by IARC.
Reproductive toxicity	No information available.
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	No information available.
Target Organs	No information available.
Aspiration hazard	May be fatal if swallowed and enters airways.
Additional Information	RTECS: RZ9450000 Contact with eyes can cause: Redness, Blurred vision, Provokes tears., Prolonged or repeated contact with skin may cause: Dermatitis, Central nervous system depression, Damage to the lungs. Stomach - Irregularities - Based on Human Evidence

## 12. Ecological information

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Ecotoxicity effects	Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.
Persistence and degradability	No Information Available
Bioaccumulative potential	No Data Available
Mobility in soil	No Data Available
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse effects	Toxic to aquatic life. Avoid release to the environment. Do not empty into drains.

## 13. Disposal considerations

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