

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

Branch : Sikka, Kandla, Dahej , Hazira, JNPT, Goa, Mngalore, Cochin, Tuticorin, Chennai, Kakinada, Vizag, Paradip, Haldia, Kolkata, Fujairah

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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 SDS, please refer to the H-Statements section.
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. - No smoking.
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, call a physician.
Wash off with soap and plenty of water. Consult a physician if irritation persists.
Flush eyes with water as a precaution.
Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting unless instructed by 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. Use ventilation. Remove all sources of ignition. Evacuate area if necessary. Accumulating to form explosive concentrations. Vaporize. 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 and 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. If containers are opened must be carefully resealed and kept upright until next use. Refrigerate before opening.

Specific end use(s)

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

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 (EU).

Skin Protection

Handle with gloves. Gloves must be inspected prior to use. Do not use if they show signs of wear (without touching glove's outer surface) to avoid skin contact. Wash and dry hands. Wash and dry hands after use in accordance with applicable standards.

Body Protection

Complete suit protecting against chemicals, Flame retardant. Protective equipment must be selected according to the hazard assessment 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). Do not use if engineering controls are not sufficient. If the respirator is the sole means of protection. Use respirators and components tested and approved under applicable 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 flammability or Lower explosion limit | Upper explosion limit: 8,3 %(V) 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/cm ³ 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/m ³ LD50 Dermal - rabbit - 3.000 mg/kg |
| Skin corrosion/irritation | Skin - rabbit Result: No skin irritation (OECD Test Guideline 404) |

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|------------------------------------|---|
| Serious eye damage/irritation | No data available. |
| Respiratory or skin sensitization; | No data available. |
| Respiratory | |
| Germ cell mutagenicity | Ames test <i>S. typhimurium</i> 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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