# Material Safety Data Sheet

**p Xylenes Industrial Grade** (RXSOL-19-1209-210)

## 1. Product and Company Identifaction

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|---|---|---|
| Product Name | : | RXSOL-19-1209-210 |
| Product Type | : | **P-XYLENES** |

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| **Catalog Codes** | **SLX1120** |
| **CAS#** | **106-42-3** |
| **RTECS** | **ZE2625000** |
| **TSCA** | **TSCA 8(b) inventory: p-Xylene** |
| **CI#** | **Not applicable.** |
| **Synonym** | **p-Methyltoluene** |
| **Chemical Name** | **1,4-Dimethylbenzene** |
| **Chemical Formula** | **C6H4(CH3)2** |

**Company Details:**

RX MARINE INTERNATIONAL
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| | | |
|---|---|---|
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## 2. Composition / informationon ingredients

| **Chemica Name** | **CAS #** | **% BY WEIGHT** |
|---|---|---|
| p-Xylene | 106-42-3 | 100 |

Toxicological Data on Ingredients: p-Xylene: ORAL (LD50): Acute: 5000 mg/kg [Rat.]. DERMAL (LD50): Acute: 12400 mg/kg [Rabbit.]. VAPOR (LC50): Acute: 4550 ppm 4 hour(s) [Rat].

## 3. Hazards Identification

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| Potential Acute Health Effects | Very hazardous in case of skin contact (irritant), of eye contact (irritant). Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. |

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| Potential Chronic Health Effects | Hazardous in case of skin contact (irritant), of eye contact (irritant).<br>Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation. |
| CARCINOGENIC EFFECTS | Not available. |
| MUTAGENIC EFFECTS | Not available. |
| TERATOGENIC EFFECTS | Not available. |
| DEVELOPMENTAL TOXICITY | Not available. |

The substance is toxic to blood, kidneys, the nervous system, liver.
Repeated or prolonged exposure to the substance can produce target organs damage.

## 4. First Aid Measures

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| Eye Contact | Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention. |
| Skin Contact | After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin.<br>Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing. |
| Serious Skin Contact | Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention. |
| Inhalation | Allow the victim to rest in a well ventilated area. Seek immediate medical attention. |
| Serious Inhalation | Not available. |
| Ingestion | Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possibleindication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention. |
| Serious Ingestion | Not available. |

## 5. Fire-fighting Measures

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| Flammability of the Product | Flammable. |
| Auto-Ignition Temperature | 527°C (980.6°F) |
| Flash Points | CLOSED CUP: 25°C (77°F). OPEN CUP: 28.9°C (84°F) (Cleveland). |
| Flammable Limits | LOWER: 1.1% UPPER: 7% |
| Products of Combustion | These products are carbon oxides (CO, CO2). |
| Fire Hazards in Presence of Various Substances | Highly flammable in presence of open flames and sparks, of heat. |
| Explosion Hazards in Presence of Various Substances | Risks of explosion of the product in presence of mechanical impact: Not available.<br>Risks of explosion of the product in presence of static discharge: Not available. |
| Fire Fighting Media and Instructions | Flammable liquid, insoluble in water. |

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| SMALL FIRE | Use DRY chemical powder. |
| LARGE FIRE | Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion. |
| Special Remarks on Fire Hazards | Explosive in the form of vapor when exposed to heat or flame. Vapor may travel considerable distance to source<br>of ignition and flash back. When heated to decomposition it emits acrid smoke and irritating fumes. |
| Special Remarks on Explosion Hazards | Not available. |

## 6. Accidental Release Measures

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| Small Spill | Absorb with an inert material and put the spilled material in an appropriate waste disposal. |
| Large Spill | Toxic flammable liquid, insoluble or very slightly soluble in water.<br>Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities |

## 7. Handling and Storage

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| Precautions | Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapour/spray. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes Keep away from incompatibles such as oxidizing agents. |
| Storage | Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. A refrigerated room would be preferable for materials with a flash point lower than 37.8°C (100°F). |

## 8. Exposure controls and personal protection

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| Engineering Controls | Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their<br>respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location. |
| Personal Protection | Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent.<br>Gloves. |
| Personal Protection in Case of a Large Spill | Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be<br>used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist<br>BEFORE handling this product. |
| Exposure Limits | TWA: 100 STEL: 150 (ppm) from ACGIH (TLV)<br>TWA: 434 STEL: 651 (mg/m3) from ACGIHConsult local authorities for acceptable exposure limits. |

## 9. Physical and chemical properties

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| Physical state and appearance | - Liquid. (Liquid.) |
| Odor | - Not available. |
| Taste | - Not available. |
| Molecular Weight | - 106.17 g/mole |
| Color | - Colorless. |
| pH (1% soln/water) | - Not applicable. |
| Boiling Point | - 138°C (280.4°F) |
| Melting Point | - 12°C (53.6°F) |
| Critical Temperature | - Not available. |
| Specific Gravity | - 0.86 (Water = 1) |
| Vapor Pressure | - 9 mm of Hg (@ 20°C) |
| Vapor Density | - 3.7 (Air = 1) |
| Volatility | - Not available. |
| Odor Threshold | - 0.62 ppm |
| Water/Oil Dist. Coeff. | - Not available. |

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| Ionicity (in Water) | - Not available. |
| Dispersion Properties | - See solubility in water, methanol, diethyl ether. |
| Solubility | - Easily soluble in methanol, diethyl ether.<br>- Insoluble in cold water, hot water. |

## 10. Stability and reactivity

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| Stability | - The product is stable. |
| Instability Temperature | - Not available. |
| Conditions of Instability | - Not available. |
| Incompatibility with various substances | - Reactive with oxidizing agents. |
| Corrosivity | - Non-corrosive in presence of glass. |
| Special Remarks on Reactivity | - Not available. |
| Special Remarks on Corrosivity | - Not available. |
| Polymerization | - No. |

## 11. Toxicological information

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| Routes of Entry | - Eye contact. |
| Toxicity to Animals: | |
| WARNING | - THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. |
| Acute oral toxicity (LD50) | - 5000 mg/kg [Rat.]. |
| Acute dermal toxicity (LD50) | - 12400 mg/kg [Rabbit.]. |
| Acute toxicity of the vapor (LC50) | - 4550 ppm 4 hour(s) [Rat]. |
| Chronic Effects on Humans | - The substance is toxic to blood, kidneys, the nervous system, liver. |
| Other Toxic Effects on Humans | - Very hazardous in case of skin contact (irritant).<br>Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation. |

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| Special Remarks on Toxicity to Animals | - Not available. |
| Special Remarks on Chronic Effects on Humans | - 0347 Animal: embryotoxic, foetotoxic, passes through the placental barrier.<br>- 0900 Detected in maternal milk in human.<br>- Narcotic effect; may cause nervous system disturbances. |
| Special Remarks on other Toxic Effects on Humans | - Material is irritating to mucous membranes and upper respiratory tract |

## 12. Ecological information

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| Ecotoxicity | - Not available. |
| BOD5 and COD | - Not available. |
| Products of Biodegradation | - Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. |
| Toxicity of the Products of Biodegradation | - The products of degradation are more toxic. |
| Special Remarks on the Products of Biodegradation | - Not available. |

## 13. Disposal considerations

**Waste Disposal:**

## 14. Transport information

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| AIR IATA Classification | Class 3: Flammable liquid. |
| Identification | XYLENES : UN1307 PG: III |
| Special Provisions for Transport | Not available. |

## 15. Regulatory information

Federal and State Regulations:
Pennsylvania RTK: p-Xylene
Florida: p-Xylene
Massachusetts RTK: p-Xylene

New Jersey: p-Xylene
TSCA 8(b) inventory: p-Xylene
SARA 313 toxic chemical notification and release reporting: p-Xylene
CERCLA: Hazardous substances.: p-Xylene

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).
CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):
R10- Flammable.
R38- Irritating to skin.
R41- Risk of serious damage to eyes.
R48/20- Harmful: danger of serious
damage to health by prolonged
exposure through inhalation.

HMIS (U.S.A.):
Health Hazard: 2
Fire Hazard: 3
Reactivity: 0
Personal Protection: h
National Fire Protection Association (U.S.A.):
Health: 2
Flammability: 3
Reactivity: 0
Specific hazard:
Protective Equipment:
Gloves.
Lab coat.
Vapor respirator. Be sure to use an
approved/certified respirator or
equivalent. Wear appropriate respirator
when ventilation is inadequate

## 16. Other information

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