Material Safety Data Sheet

p Xylene Pure (RXSOL-19-1486-020)

1. Product and Company Identifaction

Product Name	**RXSOL-19-1486-020**
Product Type	**P - Xylene**

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / informationon ingredients

Name	CAS#	%byWeight
{p-}Xylene	106-42-3	100

ToxicologicalDataonIngredients: p-Xylene:ORAL(LD50):Acute:5000mg/kg[Rat.].DERMAL(LD50):Acute:12400 mg/kg[Rabbit.].VAPOR(LC50):Acute:4550ppm4hour(s)[Rat].

3. Hazards Identification

PotentialAcuteHealthEffects	Very hazardous in case of skin contact (irritant), of eye contact (irritant). Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation. Inflam-mation of the eye is characterized by redness,watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
Potential Chronic Health Effects	Hazardous in case of skin contact (irritant), of eye contact (irritant). 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

EyeContact: Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.
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 possible indication 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.
Serious Ingestion: Not available

5. Fire-fighting Measures

FlammabilityoftheProduct	Flammable.
Auto-IgnitionTemperature	527°C(980.6°F)
FlashPoints	CLOSEDCUP:25°C(77°F).OPENCUP:28.9°C(84°F)(Cleveland).
FlammableLimits	LOWER:1.1%UPPER:7%
ProductsofCombustion	Theseproductsarecarbonoxides(CO,CO2).
FireHazardsinPresenceofVariousSubstances	Highlyflammableinpresenceofopenflamesandsparks,ofheat.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions:
Flammable liquid, insoluble in water.
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 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

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.
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

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

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their 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. Gloves.
Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Exposure Limits:

TWA: 100 STEL: 150 (ppm) from ACGIH (TLV)
TWA: 434 STEL: 651 (mg/m3) from ACGIHConsult local authorities for acceptable exposure limits.

9. Physical and chemical properties

Physicalstateandappearance	Liquid.(Liquid.)
Odor	Notavailable.
Taste	Notavailable.
MolecularWeight	106.17g/mole
Color	Colorless.
pH(1%soln/water)	Notapplicable.
BoilingPoint	138°C(280.4°F)
MeltingPoint	12°C(53.6°F)
Critical Temperature	Notavailable.
SpecificGravity	0.86(Water=1)
VaporPressure	9mmofHg(@20°C)
VaporDensity	3.7(Air=1)
Volatility	Notavailable.
OdorThreshold	0.62ppm
Water/OilDist.Coeff	Notavailable.
Ionicity(inWater)	Notavailable.
DispersionProperties	Seesolubilityinwater,methanol,diethylether.
Solubility	Easily soluble in methanol, diethyl ether. Insoluble in cold water, hot water

10. Stability and reactivity

Stability	Theproductisstable.
InstabilityTemperature	Notavailable.
ConditionsofInstability	Notavailable.
Incompatibilitywithvarioussubstances	Reactivewithoxidizingagents
Corrosivity	Non-corrosiveinpresenceofglass.
SpecialRemarksonReactivity	Notavailable.
SpecialRemarksonCorrosivity	Notavailable.
Polymerization	No.

11. Toxicological information

RoutesofEntry	Eyecontact.
ToxicitytoAnimals	
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).Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation.
Special Remarks on Toxicity to Animals	Not available.

Special Remarks on Chronic Effects on Humans:
0347 Animal: embryotoxic, foetotoxic, passes through the placental barrier.0900 Detected in maternal milk in human.Narcotic effect; may cause nervous system disturbances.

Special Remarks on other Toxic Effects on Humans: Material is irritating to mucous membranes and upper respiratorytract.

12. Ecological information

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
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

WasteDisposal:

14. Transport information

DOT Classification	Flammable liquid.
Identification:Xylene	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-Irritatingtoskin.
R41-Riskofseriousdamagetoeyes.
R48/20-Harmful:dangerofserious
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.
Splash goggles.

Other Special Considerations: Not available.
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16. Other information

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