

## 1. Product and Company Identification

www.rxmarine.com

Product Name Xylene Ortho  
Part Number RXSOL-19-1488-210

### 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

www.rxmarine.com

Chemical Name	CAS NO	EC.NO	Weight%	Index-No.
O-XYLENE	95-47-6	202-422-2	106.16 g/mol	601-022-00-9

## 3. Hazards Identification

www.rxmarine.com

Swallowed:	NA
Eye	irritation (Category 2), H319
Skin:	irritation (Category 2), H315
Inhaled:	NA
First Aid Facilities	NA
Hazard Statements	H226 Flammable liquid and vapor.  H304 May be fatal if swallowed and enters airways.  H312 + H332 Harmful in contact with skin or if inhaled.  H315 Causes skin irritation.  H319 Causes serious eye irritation.  H335 May cause respiratory irritation.  H412 Harmful to aquatic life with long lasting effects
Precautionary statements - response	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  P273 Avoid release to the environment.  P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

	P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
Response	P331 Do NOT induce vomiting
Disposal	None
Prevention	NA
Supplemental Hazard Statements	NA
Other hazards	None
	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
Chronic	NA

**4. First Aid Measures** [www.rxmarine.com](http://www.rxmarine.com)

General advice	Show this material safety data sheet to the doctor in attendance.
If inhaled	After inhalation: fresh air.
Eye Contact	After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.
Swallowed	After swallowing: caution if victim vomits. Risk of aspiration! Keep airways free. Pulmonary failure possible after aspiration of vomit. Call a physician immediately.
Skin Contact	In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Consult a physician
First Aid Facilities:	NA
Inhalation:	NA
Ingestion:	NA
Notes to Physician	NA
If swallowed	After swallowing: caution if victim vomits. Risk of aspiration! Keep airways free. Pulmonary failure possible after aspiration of vomit. Call a physician immediately
Most important symptoms and effects, both acute and delaye	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
Indication of any immediate medical attention and special treatment needed	No data available

**5. Fire-fighting Measures** [www.rxmarine.com](http://www.rxmarine.com)

Extinguishing media	NA
Flammability	NA
Flash Point	None
Suitable extinguishing media	Carbon dioxide (CO2) Foam Dry powder
Unsuitable extinguishing media	For this substance/mixture no limitations of extinguishing agents are given.
Special hazards arising from the substance or mixture	Carbon oxides Combustible. Vapors are heavier than air and may spread along floors. Forms explosive mixtures with air at elevated temperatures.  Development of hazardous combustion gases or vapours possible in the event of fire.
Further information	Remove container from danger zone and cool with water. Prevent fire extinguishing water

General Hazard	from contaminating surface water or the ground water system. Remove container from danger zone and cool with water. Prevent fire extinguishing water
Extinguishing Media	from contaminating surface water or the ground water system.
Hazardous combustion products	NA
Advice for firefighters	NA
Protective Equipment	Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by
Specific Hazards Arising from the Chemical	keeping a safe distance or by wearing suitable protective clothing.
	NA
	NA

## 6. Accidental Release Measures

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

Personal precautions, protective equipment and emergency procedures	Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert.
Spillage	For personal protection see section 8.
Spills and disposal	NA
Personal Protection	NA
Environmental Precaution	Do not let product enter drains. Risk of explosion.
Methods and materials for containment and cleaning	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions
	(see sections 7 and 10). Take up carefully with liquid-absorbent material (e.g.
	Chemizorb®). Dispose of properly. Clean up affected area.
Reference to other sections	For disposal see section 13.

## 7. Handling and Storage

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

Handling	NA
Storage	NA
Advice on safe handling	Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.
Advice on protection against fire and explosion	Keep away from open flames, hot surfaces and sources of ignition. Take precautionary
	measures against static discharge
	measures against static discharge Keep away from open flames, hot surfaces and sources of ignition. Take precautionary
	measures against static discharge
Hygiene measures	Immediately change contaminated clothing. Apply preventive skin protection. Wash hands
	and face after working with substance.

Precautions for safe handling	For precautions see section 2.2.
Conditions for safe storage, including any incompatibilities	NA Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition.
Storage conditions	Recommended storage temperature see product label.
Storage conditions	NA
Storage class	Storage class (TRGS 510): 3: Flammable liquids
Specific end use(s)	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated
Advice on general occupational hygiene	NAX

## 8. Exposure controls and personal protection

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

Radiation Exposure	NA
Occupational Exposure limit values	No data available
Biological limit values	No data available
Exposure controls	NA
Engineering Control	NA
Personal Protection	NA
Eye/face protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses
Body Protection	Flame retardant antistatic protective clothing.
Skin protection	This recommendation applies only to the product stated in the safety data sheet,  supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: <a href="http://www.kcl.de">www.kcl.de</a> ). Full contact Material: Viton®  Minimum layer thickness: 0,7 mm Break through time: 480 min Material tested: Vitoject® (KCL 890 / Aldrich Z677698, Size M) This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: <a href="http://www.kcl.de">www.kcl.de</a> ). Splash contact  Material: Nitrile rubber Minimum layer thickness: 0,4 mm Break through time: 30 min Material tested: Camatril® (KCL 730 / Aldrich Z677442, Size M)
Respiratory protection	Recommended Filter type: Filter A (acc. to DIN 3181) for vapours of organic compounds The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer.  These measures have to be properly documented.

Other Protection Measure	NA
Control of environmental exposure	Do not let product enter drains. Risk of explosion.
Thermal hazards	No data available

## 9. Physical and chemical properties

www.rxmarine.com

Appearance	NA
Odour	Aromatic
Odor Threshold	NA
PH	NA
Melting Point	-25,2 °C at 1.013 hPa
Boiling Point	144,5 °C at 1.013 hPa
Flash Point	32,0 °C - closed cup
Evaporation Rate	Not Applicable
Flammability(solid, gas)	No data available
Explosive limits	No Data Available
Upper/lower flammability or explosive limits	Upper explosion limit: 6,7 %(V)  Lower explosion limit: 0,9 %(V)
Autoignition temperature	463 °C at 1.013 hPa
Decomposition temperature	No data available
Vapour pressure	13,37 hPa at 32,22 °C
Density	0,88 g/cm <sup>3</sup> at 25 °C
Vapour Density	No Data Available
Specific Gravity	NA
Partition coefficient	log Pow: 3,12 at 20 °C - Bioaccumulation is not expected.
Explosive properties	NA
Bulk Density	NA
Solubility	NA
Ignition temperature	No information available.
Reactivity	No data available
Additional Information	NA
Other safety information	Surface tension 29,8 mN/m at 25,0 °C

## 10. Stability and reactivity

www.rxmarine.com

Reactivity	Vapor/air-mixtures are explosive at intense warming.
Stability	The product is chemically stable under standard ambient conditions (room temperature)
Possibility of hazardous reactions	Risk of explosion with: Strong oxidizing agents conc. sulfuric acid Nitric acid uranium hexafluoride sulfur
Conditions to avoid	Heat, flames and sparks.  Heating. Heat, flames and sparks.  Heating.
Incompatible materials	rubber, various plastics
Decomposition	In the event of fire: see section 5
Hazardous Polymerization	No data available

## 11. Toxicological information

www.rxmarine.com

Acute toxicity	LD50 Oral - Rat - male - 3.523 mg/kg (EC Directive 92/69/EEC B.1 Acute Toxicity (Oral))
	LC50 Inhalation - Rat - male and female - 4 h - 27,12 mg/l - vapor (US-EPA)
	Symptoms: Inhalation may lead to the formation of oedemas in the respiratory tract.
	Symptoms: mucosal irritations, Cough, Shortness of breath, Possible damages:., damage of respiratory tract
Skin corrosion/irritation	Dermal: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2) Skin - Rabbit Result: Moderate skin irritation - 4 h (Regulation (EC) No. 440/2008, Annex, B.4)
	Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	Local lymph node assay (LLNA) - Mouse Result: negative (OECD Test Guideline 429)
Serious eye damage/eye irritation	No data available
Rout Of Entry	NA
Toxicity to Animal	NA
Toxic Effects on Human	NA
Germ cell mutagenicity	Test Type: Ames test Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative Millipore- 8.08697 Page 8 of 11 The life science business of Merck operates as MilliporeSigma in the US and Canada Test Type: Mutagenicity (mammal cell test): chromosome aberration. Test system: Chinese hamster ovary cells Metabolic activation: with and without metabolic activation Method: Mutagenicity (in vitro mammalian cytogenetic test) Result: negative Test Type: sister chromatid exchange assay Test system: Chinese hamster ovary cells Metabolic activation: with and without metabolic activation Method: Regulation (EC) No. 440/2008, Annex, B.19 Result: negative Test Type: Mutagenicity (mammal cell test): micronucleus. Species: Mouse Cell type: Red blood cells (erythrocytes) Application Route: Intraperitoneal Method: OECD Test Guideline 474 Result: negative Remarks: (IUCLID) Test Type: dominant lethal test Species: Mouse Application Route: Subcutaneous Method: OECD Test Guideline 478 Result: negative
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	Inhalation - May cause respiratory irritation. - Respiratory system
Special Remarks on other Toxi Effects on Humans:	NA
Additional Information	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. Repeated dose toxicity - Rat - male and female - Oral - 90 Days - NOAEL (No observed adverse effect level) - 200 mg/kg Millipore- 8.08697 Page 9 of 11 The life science business of Merck operates as MilliporeSigma in the US and Canada narcosis, Lung irritation, chest pain, pulmonary edema, Central nervous system depression, Dermatitis, Gastrointestinal disturbance, Liver injury may occur., Kidney injury may occur.  Blood disorders To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.Nerves. -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.

Repeated dose toxicity - Rat - male and female - Oral - 90 Days - NOAEL (No observed adverse effect level) - 200 mg/kg

Millipore- 8.08697 Page 9 of 11

The life science business of Merck operates as MilliporeSigma in the US and Canada

narcosis, Lung irritation, chest pain, pulmonary edema, Central nervous system depression,

Dermatitis, Gastrointestinal disturbance, Liver injury may occur., Kidney injury may occur.,

Blood disorders

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Nerves. -  
NA

Endocrine disrupting properties

## 12. Ecological information

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

Persistence and degradability	No data available
Toxicity	NA
Bioaccumulative potential	Bioaccumulation <i>Oncorhynchus mykiss</i> (rainbow trout) - 56 d
Toxicity to fish	at 10 °C - 1,3 mg/l(o-xylene) Bioconcentration factor (BCF): 7,4 - 18,5 static test LC50 - <i>Oncorhynchus mykiss</i> (rainbow trout) - 2,60 mg/l- 96 h (OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates	NA
Toxicity to algae	static test EC50 - <i>Pseudokirchneriella subcapitata</i> - 4,36 mg/l - 73 h (OECD Test Guideline 201)
Eco Toxicity	Not Available
COD and BOD 5	Not Available
Products Biodegradation:	NA
Mobility in soil	No data available
Results of PBT and vPvB 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	NA
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

Other adverse effects

No data available

## 13. Disposal considerations

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

Disposal methods

NA

Contaminated packaging

NA

Waste treatment Method

See [www.retrologistik.com](http://www.retrologistik.com) for processes regarding the return of chemicals and

containers, or contact us there if you have further questions.

## 14. Transport information

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

UN number

ADR/RID 1307 IMDG 1307 IATA 1307

UN proper shipping name

ADR/RID XYLENES

IMDG XYLENES

IATA: XylenesADR/RID: XYLENES

IMDG: XYLENES

IATA: Xylenes

Transport hazard class(es)

ADR/RID 3 IMDG 3 IATA 3

Packaging group

ADR/RID III IMDG III IATA III

Environmental hazards

ADR/RID no IMDG Marine pollutant no IATA no

Special precautions for user

No data available

## 15. Regulatory information

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

Safety, health and environmental regulations/legislation specific for the substance or mixture This material safety data sheet complies with the requirements of Regulation (EC) No.1907/2006

Safety, health and environmental regulations specific for the product in NA question

National legislation

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances: FLAMMABLE LIQUIDS

DSCL (EEC)

NA

Other regulations

Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

## 16. Other information

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

Full text of H-Statements referred to under sections 2 and 3.

H226 Flammable liquid and vapor.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H312 + H332 Harmful in contact with skin or if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

---

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

## 2. Hazards identification

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.sigma-aldrich.com](http://www.sigma-aldrich.com) and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

Copyright 2020 Sigma-Aldrich Co. LLC. License granted to make unlimited paper copies

for internal use only. The branding on the header and/or footer of this document may temporarily not visually match the product purchased as we transition our branding. However, all of the information in the document regarding the product remains unchanged and matches the product ordered. For further information please contact [mlsbranding@sial.com](mailto:mlsbranding@sial.com).

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages.

**DISCLAIMER OF LIABILITY** :The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

Relevant changes since previous version

Further information

Other Information

NONE