
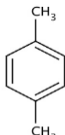


SAFETY DATA SHEET		PR/EOHD/OHS/F-310	 بترو رابغ Petro Rabigh
PRODUCT NAME : p-XYLENE			
Reference No. SDS-09-0026	Revision No. 1.4 January 07, 2019	Page 1 of 11	

SECTION 1: Identification of the substance/mixture and of the company/undertaking


1.1 Product Identifier	
Product Name:	p-Xylene
Other/Generic Names:	1,4-Dimethylp-Xylene , p-Methyltoluene, Paraxylene, PX
REACH Registration Number:	01-2119484661-33-xxxx
EC Number:	203-396-5
CAS Number:	106-42-3
Molecular formula:	C ₆ H ₄ (CH ₃) ₂ or C ₈ H ₁₀
Molecular Structure:	
Molecular weight range:	106.17 g/mol

1.2 Relevant identified uses of the substance or mixture and uses advised against

<p>IDENTIFIED USES: This substance is used in the following areas: formulation of mixtures and/or re-packaging. This substance is used for the manufacture of: chemicals.</p> <p>MOST COMMON TECHNICAL FUNCTION OF SUBSTANCE (WHAT IT DOES): This substance is used in the following products: lubricants and greases, anti-freeze products, biocides (e.g. disinfectants, pest control products), adhesives and sealants, fuels, non-metal-surface treatment products, leather treatment products, polishes and waxes and chemistry laboratories.</p> <p>USES BY CONSUMERS ADVISED AGAINST No data available</p>
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1.3 Manufacturer or supplier's details

Manufacturer	Rabigh Refining and Petrochemical Company		
Address	<p>PLANT PO Box 101, Rabigh 21911, Kingdom of Saudi Arabia</p> <p>Tel: +966 12 425 0390 Free Number: 800 440 9000</p>		
E-mail address of person responsible for this SDS	stephane.dallaire@petrorabigh.com		
Emergency telephone numbers (24-hour)	Asia Pacific (except China):	CareChem 24 +65 3158 1074	English, Cantonese, Indonesian, Japanese, Korean, Malay, Mandarin, Thai, Vietnamese
	China (Off-land):	CareChem 24 +86 512 8090 3042	English, Mandarin
	US, Canada: Outside above area:	ChemTrec 1-800-424-9300 +703-527-3887	English
	Europe, America, Middle East, Africa (Europe & English Speaking):	CareChem 24 +44 (0) 1235 239 670	English, Albanian, Bulgarian, Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Italian, Lithuanian, Norwegian, Polish, Portuguese, Romanian, Russian, Serb-Croat, Slovak, Spanish, Swedish, Turkish, Ukrainian
	Middle East & Africa (Arabic speaking):	CareChem 24 +44 (0) 1235 239 671	English, Arabic, French


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SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture


Product Definition:	p-Xylene									
Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]:	Flammable Liquid – Category 3 Acute toxicity – Inhalation (Category 4); Dermal (Category 4) Skin Corrosion/Irritation – Category 2									
Classification according to Directive 67/548/EEC [DSD]:	Hazard symbol(s): Harmful 									
	<p>R-Phrases:</p> <table border="0"> <tr> <td>F</td> <td>Flammable</td> <td>R10</td> </tr> <tr> <td>T</td> <td>Toxic</td> <td>R20/21</td> </tr> <tr> <td>Xi</td> <td>Irritant</td> <td>R36/R37/R38</td> </tr> </table> <p>S-Phrases:</p> <p>S23: Do not breathe gas/fumes/vapour/spray</p> <p>S24: Avoid contact with skin</p> <p>S25: Avoid contact with eyes</p> <p>See Section 16 for the full text of the R Phrases.</p>	F	Flammable	R10	T	Toxic	R20/21	Xi	Irritant	R36/R37/R38
F	Flammable	R10								
T	Toxic	R20/21								
Xi	Irritant	R36/R37/R38								

2.2 Label elements

Hazard pictograms (Labelling according Regulation (EC) No 1272/2008):	
Signal word:	Danger
Hazard statements:	H226: Flammable liquid and vapour H312: Harmful in contact with skin (Category 2) H315: Causes skin irritation H304: May be fatal if swallowed and enters airways H332: Harmful if inhaled H412: Harmful to aquatic life with long lasting effects
Precautionary statements	Prevention: P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking. P233: Keep container tightly closed. P260: Do not breathe dust/fume/gas/mist/vapor/spray. P264: Wash skin thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P280: Wear protective gloves/ eye protection/ face protection. P303 + P361 + P353: IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Response:	Get medical attention if you feel unwell
Storage:	Not applicable
Disposal:	Not applicable
Supplemental label elements:	Not applicable
Special packaging requirements	
Containers to be fitted with child-resistant fastenings:	Not applicable
Tactile warning of danger:	Not applicable

2.3 Other hazards

Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII:	Not applicable
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Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII:	Not applicable
Other hazards which do not result in classification:	This substance/mixture contains no components considered to be persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Classification of the substance or mixture					
Substance/mixture			p-Xylene		
Product/ ingredient name	Identifiers	%	Classification		
			Directive 1999/45/EC	Regulation (EC) No. 1272/2008 [CLP/GHS]	Type
p-Xylene	EC: 200-753-7 CAS: 71-43-2	100%	F, T, Xi, R11, R23, R24, R36, R37, R38	Flam. Liq. 2; URT, Eye and Skin Irritant.	[A]
			See section 16 for the full text of the R-phrases.	See section 16 for the full text of the H-phrases.	

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

Type

[A] Constituent; [B] Impurity; [C] Stabilizing additive; Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention following exposure or if feeling unwell. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway, and loosen tight clothing such as a collar and belt.
Skin contact	Wash off contaminated skin with soap and flush with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do NOT induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.


4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact	Refer to section 2.2
Inhalation	Refer to section 2.2
Skin contact	Skin absorption may cause effects similar to those described for inhalation.
Ingestion	May damage lungs, cause burning sensation in the mouth, throat and stomach. May result in gastrointestinal disturbances and others similar to those described for inhalation.

Over-exposure signs/symptoms

Eye contact	Pain or irritation, watering and redness.
Inhalation	No specific information.
Skin contact	Irritation and redness.
Ingestion	No specific information.

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4.3 Indication of any immediate medical attention and special treatment needed	
Notes to physician	Treat symptomatically. Contact poison treatment specialist immediately if eyes were exposed to large quantities or large quantities have been ingested or inhaled.
Specific treatments	No specific information.

SECTION 5: Firefighting measures

5.1 Extinguishing media	
Suitable extinguishing media	Use alcohol-resistant foam, dry chemical or carbon dioxide (CO ₂). Use water spray to cool unopened containers.
Unsuitable extinguishing media	High volume water jet.
5.2 Special hazards arising from the substance of mixture	
Hazards from the substance or mixture	In a fire or if heated, a pressure increase will occur and the container may burst. Vapour may form explosive mixtures with air. Vapor is heavier than air and may travel along the ground to some distance of ignition and flash back.
Hazardous thermal decomposition products	Decomposition products may include carbon dioxide and carbon monoxide
5.3 Advice for firefighters	
Special protective actions for fire-fighting	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Do not spray on an open flame or any other incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition.
Specific protective equipment for fire-fighting	Fire-fighters shall wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection.

SECTION 6: Accidental release measure

6.1 Personal precautions, protective equipment and emergency procedures	
For non-emergency personnel	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	
	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
6.3 Methods and materials for containment and cleaning up	
Small spill	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up and place in an appropriate and properly labeled waste disposal container. Ground vacuum cleaners if used to collect material. Dispose of via a licensed waste disposal contractor.
Large spill	Stop leak if without risk. Remove all sources of ignition. Ensure adequate ventilation. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, silica gel, saw dust, diatomaceous earth and place in containers for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Ground vacuum cleaners if used to collect material. Note: see section 1 for emergency contact information and section 13 for waste disposal.
6.4 Reference to other sections	
See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.	

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SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures	Use appropriate personal protective equipment (see Section 8). Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Ensure all equipment is electrically grounded before beginning transfer operations. Empty containers retain product residue and can be hazardous. Do not reuse containers. All containers shall be properly labeled.
Advice on general occupational hygiene	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original containers protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)

Recommendations	No specific information is available.
Industrial sector specific solutions	No specific information is available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parameters

<u>Occupational exposure limits</u>				
Product/ingredient name	Exposure limit values			
Substance	Form	TWA	STEL	Reference
p-Xylene	Vapour	100 ppm	Not available	OSHA 29 CFR 1910.1028 (c) ; 06/1997
	Vapour	100 ppm	150 ppm	NIOSH REL (01/1997)
	Vapour	100 ppm	150 ppm	ACGIH (2016)


Recommended monitoring procedures
 If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Derived No Effect Levels (DNEL)

Product/ingredient name	Exposure	Population	Value	Effects
p-Xylene	Long term Dermal	Workers	No data available	No data available
	Acute term Inhalation	Workers	No data available	No data available
	Long term Inhalation	Workers	No data available	No data available
	Long term Dermal	Consumers	No data available	No data available
	Long term Inhalation	Consumers	No data available	No data available
	Ingestion	Consumers	No data available	No data available

Predicted No Effect Concentrations (PNEC)

Product/ingredient name	Compartment Detail	Value	Method Details
p-Xylene	Fresh water	No data available	-
	Marine water	No data available	-
	Soil	No data available	-

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	Fresh water sediment	No data available	-
	Sewage Treatment Plant	No data available	-

8.2 Exposure controls

Appropriate engineering controls	If user operations generate vapour or mists, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
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Individual protection measures

Hygiene measures:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mist, gases or dusts. Recommended: Face shield and safety glasses with side-shields. Equipment must be approved by NIOSH (USA) or EN 166 (EU).
Skin protection	
Hand protection:	Chemical-resistant, impervious gloves complying with an approved standard (EU Directive 89/686/EEC and standard EN 374 derived from it or NIOSH of USA) shall be worn at all times when handling chemical products if a risk assessment indicates this are necessary. For 8-hour full or splash contact with the material, use gloves made of fluorinated rubber with minimum layer thickness of 0.7 mm.
Body protection:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Flame retardant antistatic protective clothing shall be used.
Other skin protection:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. If used in solution, or mixed with other substances, contact suppliers of approved gloves and skin protection. This is only advisory and must be evaluated on a case-to- case basis by specialists.
Respiratory protection:	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary or as backup to engineering controls. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: organic vapor filter shall be approved by appropriate government standards such as NIOSH (USA) or CEN (EU).
Environmental exposure controls:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties


Appearance	
Physical state:	Liquid, clear
Color:	Colorless
Odor:	No information available
Odor threshold :	No information available
pH:	No applicable
Melting point/ freezing point range:	12 - 13°C;(literature)
Initial Boiling point:	138°C at 1.0134 hPa; (literature)
Flash point:	25.0 °C (Closed Cup)
Evaporation rate (Butyl acetate=1.0):	No information available
Flammability (solid, gas):	
Burning time:	No information available
Burning rate:	No information available
Upper/lower flammability or explosive limits:	Lower: 1.1% (v/v) Upper: 7.0% (v/v)
Vapour Pressure:	12.0 hPa (9.0 mmHg) at 20 °C 21.3 hPa (15.98 mmHg) at 36.7 °C (literature)
Vapour Specific Gravity (Air=1):	3.7
Specific gravity (water =1.0)	0.861 at 20 °C

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Solubility(ies):	0.2 g/l at 25 °C
Partition coefficient; n-octane/water:	Log Pow: 3.15 at 23 °C
Auto-ignition temperature:	529.0 °C
Decomposition temperature:	No information available
Viscosity:	No information available
Explosive properties:	No information available
Oxidizing properties:	No information available
9.2 Other information	
Surface tension:	27.69 mN/m at 25 °C


SECTION 10: Stability and reactivity
10.1 Reactivity
No specific test data related to reactivity available for this product.
10.2 Chemical stability
The product is stable under recommended storage conditions.
10.3 Possibility of hazardous reactions
Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid
Keep away from heat, sparks and flame.
10.5. Incompatible materials
Strong oxidizing agents
10.6 Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information																																																																																		
11.1 Information on toxicological effects																																																																																		
Acute Toxicity																																																																																		
<table border="1"> <thead> <tr> <th>Product/ingredient name</th> <th>Result</th> <th>Species</th> <th>Dose</th> <th>Method of Exposure</th> </tr> </thead> <tbody> <tr> <td rowspan="8">p-Xylene</td> <td>Respiratory sensitization</td> <td>No information available</td> <td>-</td> <td>No information provided</td> </tr> <tr> <td>LC50 Inhalation</td> <td>Rat</td> <td>4,550 ppm</td> <td>4-hour;chronic pulmonary edema</td> </tr> <tr> <td>LD50 Oral</td> <td>Rat</td> <td>5,000 mg</td> <td>No information provided</td> </tr> <tr> <td>LD50 Dermal</td> <td>Rabbit</td> <td>12,400 mg/l</td> <td>No information provided</td> </tr> <tr> <td>LD50 Oral</td> <td>Rat</td> <td>5,000 mg/kg</td> <td>No information provided</td> </tr> <tr> <td>NOEL (Oral)</td> <td>No information available</td> <td>-</td> <td>-</td> </tr> <tr> <td>LOEL (Oral)</td> <td>No information available</td> <td>-</td> <td>-</td> </tr> <tr> <td>Serious eye irritation</td> <td>No information available</td> <td>-</td> <td>-</td> </tr> <tr> <td rowspan="2">Irritation:</td> <td>Skin irritation</td> <td>No information available</td> <td>-</td> <td>-</td> </tr> <tr> <td>Eyes, Skin</td> <td>No information available</td> <td>-</td> <td>-</td> </tr> <tr> <td>Corrosion:</td> <td>No information available</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Sensitization:</td> <td>No information available</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Mutagenicity:</td> <td>No information available</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Germ cell mutagenicity:</td> <td>No information available</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Carcinogenicity:</td> <td>No information available</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Reproductive toxicity:</td> <td>No information available</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Teratogenicity:</td> <td>No information available</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	Product/ingredient name	Result	Species	Dose	Method of Exposure	p-Xylene	Respiratory sensitization	No information available	-	No information provided	LC50 Inhalation	Rat	4,550 ppm	4-hour;chronic pulmonary edema	LD50 Oral	Rat	5,000 mg	No information provided	LD50 Dermal	Rabbit	12,400 mg/l	No information provided	LD50 Oral	Rat	5,000 mg/kg	No information provided	NOEL (Oral)	No information available	-	-	LOEL (Oral)	No information available	-	-	Serious eye irritation	No information available	-	-	Irritation:	Skin irritation	No information available	-	-	Eyes, Skin	No information available	-	-	Corrosion:	No information available	-	-	-	Sensitization:	No information available	-	-	-	Mutagenicity:	No information available	-	-	-	Germ cell mutagenicity:	No information available	-	-	-	Carcinogenicity:	No information available	-	-	-	Reproductive toxicity:	No information available	-	-	-	Teratogenicity:	No information available	-	-	-
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Specific target organ toxicity STOT (single exposure):																																																																																		
May cause respiratory irritation																																																																																		

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Specific target organ toxicity STOT (repeated exposure)	
Bone marrow; Category 1	
Aspiration Hazards:	May be fatal if swallowed and enter airways
Information on the likely routes of exposure:	No information available
Potential acute health effects	
Eye contact:	May cause irreversible eye damage
Inhalation:	Irritation of the mucous membranes. Causes headache, drowsiness or other effects to the central nervous system.
Skin contact:	May degrease the skin
Ingestion:	Harmful if swallowed. Causes lung damage. Causes headache, drowsiness or other effects to the central nervous system.
Symptoms related to the physical, chemical and toxicological characteristics	
Eye contact:	Adverse symptoms may include pain or irritation, watering and redness
Inhalation:	No specific data
Skin contact:	Adverse symptoms may include pain, irritation and redness
Ingestion:	No specific data
Delayed and immediate effects and also chronic effects from short and long term exposure	
Short-term exposure	
Potential immediate effects:	Causes irritation of eyes, skin and upper respiratory. May impair the central nervous system (CNS).
Potential delayed effects:	No information available.
Long-term exposure	
Potential immediate effects:	No information available.
Potential delayed effects:	No information available.
Potential chronic health effects	
Conclusion/summary:	
General:	Irritant to the upper respiratory tract and eyes, impair central nervous system (CNS).repeated or prolonged exposure can produce target organs damage.
Carcinogenicity:	Not classifiable; Group 3 by IARC
Mutagenicity:	No known significant effects or critical hazards.
Teratogenicity:	No known significant effects or critical hazards.
Developmental effects:	No known significant effects or critical hazards.
Fertility effects:	No known significant effects or critical hazards.
Other information:	None

SECTION 12: Ecological information				
12.1 Toxicity				
Acute Toxicity				
Product/ingredient name	Result	Species	Exposure	Method
p-Xylene	LC50: 2.6 mg/l	Rainbow trout	96 hours	No information provided
	18.0 mg/l	Goldfish	24 hours	No information provided
	EC50:35.5-63.1 mg/l	Water flea	48 hours	No information provided
	ErC50	No information available	-	-
Conclusion/summary:	No specific data available			
12.2 Persistence and degradability				
Conclusion/summary:	No information available			
12.3 Bioaccumulative potential				
Conclusion/summary:	No information available			
12.4 Mobility in soil				
Conclusion/summary:	No information available			

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12.5 Results of PBT and vPvB assessment
Not considered to be very persistent and very bioaccumulating (vPvB).
12.6 Other adverse effects
Harmful to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).


13.1 Waste treatment methods	
Product	
Methods of disposal:	The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
Hazardous waste:	The classification of the product may meet the criteria for a hazardous waste.
Packaging	
Methods of disposal:	The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions:	This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN/ADNR	IMDG	IATA
14.1 UN number	1307	1307	1307	1307
14.2 UN proper shipping name	Xylenes	Xylenes	Xylenes	Xylenes
14.3 Transport hazard class(es)	3	3	3	3
14.4 Packing group	III	III	III	III
14.5 Environmental hazards	Yes	Not available	Yes	No
14.6 Special precautions for user	No data available	No data available	No data available	No data available
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No data available	No data available	No data available	No data available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
EU Regulation (EC) No. 1907/2006 (REACH): Planned to be registered.
Annex XIV - List of substances subject to authorization
Substances of very high concern
No data available
Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles
No data available

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Other EU regulations	
Europe inventory:	All components are listed or exempted.
Black List Chemicals:	Not listed
Priority List Chemicals:	No data available
Integrated pollution prevention and control list (IPPC) - Air:	No data available
Integrated pollution prevention and control list (IPPC) - Water:	No data available

International regulations	
Chemical Weapons Convention List Schedule I Chemical:	Not listed
Chemical Weapons Convention List Schedule II Chemicals:	Not listed
Chemical Weapons Convention List Schedule III Chemicals:	Not listed

15.2 Chemical Safety Assessment

This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms: None

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Flammable	Flash point measurement
Eye and skin irritant	Expert judgement
STOT SE 3, H333	Expert judgment


Full text of abbreviated H statements:	H226: Flammable liquid and vapour H312: Harmful in contact with skin (Category 2) H315: Causes skin irritation H304: May be fatal if swallowed and enters airways H319: Causes serious eye irritation H332: Harmful if inhaled H412: Harmful to aquatic life with long lasting effects
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Full text of classifications[CLP/GHS]:	Acute Toxicity No data available
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Full text of abbreviated R phrases	R10: Flammable R20/R21: Toxic by inhalation and in contact with skin R36: Irritating to eyes R37: Irritating to respiratory system R38: Irritating to skin
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Full text of abbreviated S phrases	S23: Do not breathe gas/fumes/vapour/spray S24: Avoid contact with skin
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Full text of abbreviated P phrases	P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking. P233: Keep container tightly closed. P260: Do not breathe dust/fume/gas/mist/vapor/spray. P264: Wash skin thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P280: Wear protective gloves/ eye protection/ face protection. P303 + P361 + P353: IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
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Full text of classifications[DSD/DPD]	F: Flammable Xn: Harmful Xi: Irritant
Date of issue/ Date of revision:	01/07/2019
Date of previous issue:	11/07/2018
Version	1.4
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