

### SECTION 1: Identification

#### 1.1. Identification

Product form : Substance  
Substance name : Xylene  
CAS-No. : 1330-20-7  
Product code : Solvent

#### 1.2. Recommended use and restrictions on use

Recommended use : Industrial use  
Restrictions on use : None known

#### 1.3. Supplier

<u>Atlanta Branch Office</u>	<u>Ocoee Branch Office</u>	<u>Spartanburg Branch Office</u>
Whitaker Oil Company	Whitaker Oil Company	Whitaker Chemicals LLC
1557 Marietta Road NW	280 Enterprise Street	405 John Dodd Road
Atlanta, GA 30318	Ocoee, FL 34761	Spartanburg, SC 29303
404-355-8220 (t)	407-656.0088 (t)	864-578-6968 (t)i
404-355-2436 (f)	407-877-8335 (f)	864-578-6864 (f)

**WEBSITE:** www.whitakeroil.com      **EMAIL:** SDS@whitakeroil.com

#### 1.4. Emergency telephone number

Emergency number : **CHEMTREC** 800-424-9300

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Flammable liquids Category 3	H226	Flammable liquid and vapor
Acute toxicity (dermal) Category 4	H312	Harmful in contact with skin
Acute toxicity (inhalation) Category 4	H332	Harmful if inhaled
Skin corrosion/irritation Category 2	H315	Causes skin irritation
Carcinogenicity Category 2	H351	Suspected of causing cancer (Inhalation, oral)
Specific target organ toxicity (single exposure) Category 3	H336	May cause drowsiness or dizziness
Specific target organ toxicity (repeated exposure) Category 2	H373	May cause damage to organs through prolonged or repeated exposure
Aspiration hazard Category 1	H304	May be fatal if swallowed and enters airways
Hazardous to the aquatic environment - Acute Hazard Category 2	H401	Toxic to aquatic life

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H226 - Flammable liquid and vapor  
H304 - May be fatal if swallowed and enters airways

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Precautionary statements (GHS-US)	<p>H312+H332 - Harmful in contact with skin or if inhaled            H315 - Causes skin irritation            H336 - May cause drowsiness or dizziness            H351 - Suspected of causing cancer (Inhalation, oral)            H373 - May cause damage to organs through prolonged or repeated exposure            H401 - Toxic to aquatic life</p> <p>: P201 - Obtain special instructions before use            P202 - Do not handle until all safety precautions have been read and understood            P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking            P233 - Keep container tightly closed            P240 - Ground/Bond container and receiving equipment            P241 - Use explosion-proof electrical, lighting, ventilating equipment            P242 - Use only non-sparking tools            P243 - Take precautionary measures against static discharge            P260 - Do not breathe dust, fume, gas, mist, spray, vapors            P261 - Avoid breathing dust, fume, gas, mist, spray, vapors            P264 - Wash Skin thoroughly after handling            P271 - Use only outdoors or in a well-ventilated area            P273 - Avoid release to the environment            P280 - Wear eye protection, face protection, protective clothing, protective gloves            P301+P310 - If swallowed: Immediately call a POISON CENTER or doctor/physician.            P302+P352 - If on skin: Wash immediately with plenty of soap and water            P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower            P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing            P308+P313 - If exposed or concerned: Get medical advice/attention            P312 - Call a POISON CENTER or doctor/physician if you feel unwell            P314 - Get medical advice/attention if you feel unwell            P331 - Do NOT induce vomiting            P332+P313 - If skin irritation occurs: Get medical advice/attention            P362+P364 - Take off contaminated clothing and wash it before reuse            P370+P378 - In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish            P403+P233 - Store in a well-ventilated place. Keep container tightly closed            P403+P235 - Store in a well-ventilated place. Keep cool            P405 - Store locked up            P501 - Dispose of contents/container in an approved waste disposal plant</p>
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### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Name : Xylene  
 CAS-No. : 1330-20-7

Name	Product identifier	%	GHS-US classification
m-Xylene	(CAS-No.) 108-38-3	35 - 46	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315
Ethyl Benzene	(CAS-No.) 100-41-4	10 - 19	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Carc. 2, H351 STOT RE 2, H373 Asp. Tox. 1, H304
o-xylene	(CAS-No.) 95-47-6	5 - 15	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315
p-xylene	(CAS-No.) 106-42-3	10 - 20	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315

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Name	Product identifier	%	GHS-US classification
Toluene	(CAS-No.) 108-88-3	0 - 0.5	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 2, H401

Full text of hazard classes and H-statements : see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

- First-aid measures general : Call a physician immediately.
- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Provide oxygen, if available, or artificial respiration, if needed. Call a POISON CENTER or doctor/physician if you feel unwell.
- First-aid measures after skin contact : Remove contaminated clothing and shoes. Wash off immediately with soap and plenty of water. Get medical attention if irritation develops or persists. Get medical attention if irritation develops and persists. Wash clothing separately before reuse. Destroy or thoroughly clean contaminated shoes.
- First-aid measures after eye contact : Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.
- First-aid measures after ingestion : Call a physician or poison control center immediately. Rinse mouth thoroughly. Do NOT induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into lungs.

### 4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects : Abdominal pain. Nausea, vomiting. Aspiration may cause pulmonary edema and pneumonitis. Jaundice. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain. Edema. Prolonged exposure may cause chronic effects.

### 4.3. Immediate medical attention and special treatment, if necessary

- Indication of immediate medical attention and special treatment needed : Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed. This material, if aspirated into the lungs, may cause chemical pneumonitis; treat the affected person appropriately.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
- Unsuitable extinguishing media : Do not use water jet as an extinguisher, as this will spread the fire.

### 5.2. Specific hazards arising from the chemical

- Fire hazard : Vapor may cause flash fire. Vapor is denser than air – flashback may be possible over considerable distances. The product can accumulate electrostatic charges, which may cause an electrical spark. (ignition source).
- Reactivity : Flammable liquid and vapor.

### 5.3. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

- Emergency procedures : No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes and clothing.

#### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

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### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

- For containment : Collect spillage.
- Methods for cleaning up : Large spills : Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Vapors may be controlled using a water fog. Remove with vacuum trucks or pump to storage/ salvage vessels. Use explosion proof electric equipment.
- Small spills : Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Use clean non-sparking tools to collect absorbed material.
- Clean surface thoroughly to remove residual contamination. Retain all contaminated water for removal and treatment.
- Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Do not get in eyes, on skin, or on clothing.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ground/bond container and receiving equipment.
- Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

<b>p-Xylene (106-42-3)</b>		
ACGIH	ACGIH STEL (ppm)	150 ppm
OSHA	OSHA PEL (STEL) (mg/m <sup>3</sup> )	655 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	435 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (ppm)	100 ppm
<b>Xylene (1330-20-7)</b>		
ACGIH	Local name	Xylene
ACGIH	ACGIH TWA (ppm)	100 ppm
ACGIH	ACGIH STEL (ppm)	150 ppm
ACGIH	Remark (ACGIH)	URT & eye irr; CNS impair
ACGIH	Regulatory reference	ACGIH 2017
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	435 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (ppm)	100 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA
<b>Ethyl Benzene (100-41-4)</b>		
ACGIH	Local name	Ethyl benzene

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<b>Ethyl Benzene (100-41-4)</b>		
ACGIH	ACGIH TWA (ppm)	20 ppm
ACGIH	Remark (ACGIH)	URT irr; kidney dam (nephropathy)
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	435 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (ppm)	100 ppm
<b>m-Xylene (108-38-3)</b>		
ACGIH	ACGIH TWA (ppm)	100 ppm 100 ppm
ACGIH	ACGIH STEL (ppm)	150 ppm 150 ppm
<b>o-xylene (95-47-6)</b>		
ACGIH	ACGIH TWA (ppm)	100 ppm 100 ppm
ACGIH	ACGIH STEL (ppm)	150 ppm 150 ppm
<b>Toluene (108-88-3)</b>		
ACGIH	Local name	Toluene
ACGIH	ACGIH TWA (ppm)	20 ppm
ACGIH	Remark (ACGIH)	Visual impair; female repro;
OSHA	Remark (OSHA)	(2) See Table Z-2.

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Provide eyewash station and safety shower.  
 Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

Wear respiratory protection

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
 Color : Colorless  
 Odor : Sweet odor.  
 Pleasant odor.  
 Odor threshold : No data available  
 pH : No data available  
 Melting point/ Freezing point : -47.22 °C (-53 °F)  
 Boiling point : 136.67 - 143.33 °C (278 - 290 °F)  
 Flash point : 26.1 °C (79 °F)  
 Relative evaporation rate (butyl acetate=1) : No data available  
 Flammability (solid, gas) : Not applicable.  
 Vapor pressure : 9 mmHg @ 25 °C  
 Relative vapor density at 20 °C : No data available

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Relative density	: 0.87 g/cm <sup>3</sup>
Specific gravity / density	: 0.86 - 0.88 kg/m <sup>3</sup>
Solubility	: Insoluble
Log Pow	: No data available
Auto-ignition temperature	: 465.56 °C (870 °F)
Decomposition temperature	: No data available
Viscosity	: 0.59 cP
Explosion limits	: 1.1% - lower 6.6% - upper
Explosive properties	: No data available
VOC content	: 100% by weight

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Flammable liquid and vapor.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

### 10.5. Incompatible materials

Strong acids. 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 : Dermal: Harmful in contact with skin. Inhalation: Harmful if inhaled.

<b>Xylene (1330-20-7)</b>	
ATE US (dermal)	1100 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h
<b>Ethyl Benzene (100-41-4)</b>	
LD50 oral rat	3500 mg/kg (Rat; Other; Experimental value)
LD50 dermal rabbit	15415 mg/kg (Rabbit; Literature study; Other; 15432 mg/kg; Rabbit; Experimental value)
LC50 inhalation rat (mg/l)	17.8 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	4000 ppm/4h (Rat; Literature study)
ATE US (oral)	3500 mg/kg body weight
ATE US (dermal)	15415 mg/kg body weight
ATE US (gases)	4000 ppmV/4h
ATE US (vapors)	17.8 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h
<b>m-Xylene (108-38-3)</b>	
LD50 oral rat	5011 - 6630 mg/kg (Rat)
ATE US (oral)	5011 mg/kg body weight
ATE US (dermal)	1100 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h

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<b>o-xylene (95-47-6)</b>	
LD50 oral rat	3608 mg/kg (Rat)
ATE US (oral)	3608 mg/kg body weight
ATE US (dermal)	1100 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h

<b>Toluene (108-88-3)</b>	
LD50 oral rat	5580 mg/kg body weight (Equivalent or similar to EU Method B.1: Acute Toxicity (Oral), Rat, Male, Experimental value)
LD50 dermal rabbit	> 5000 mg/kg body weight (Other, 24 h, Rabbit, Male, Experimental value)
LC50 inhalation rat (mg/l)	25.7 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male, Experimental value)
ATE US (dermal)	12223 mg/kg body weight

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer (Inhalation, oral).

<b>Xylene (1330-20-7)</b>	
IARC group	3 - Not classifiable

<b>Ethyl Benzene (100-41-4)</b>	
IARC group	2B - Possibly carcinogenic to humans

Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: May cause drowsiness or dizziness.
Specific target organ toxicity – repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: May be fatal if swallowed and enters airways.
Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after ingestion	: Risk of lung edema.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: Toxic to aquatic life with long lasting effects.
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<b>Ethyl Benzene (100-41-4)</b>	
LC50 fish 2	4.2 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Salmo gairdneri; Semi-static system; Fresh water; Experimental value)

<b>m-Xylene (108-38-3)</b>	
LC50 fish 1	8.4 mg/l (96 h, Salmo gairdneri)
EC50 Daphnia 1	4.7 mg/l (48 h, Daphnia magna)

<b>o-xylene (95-47-6)</b>	
LC50 fish 1	8.05 mg/l (96 h, Salmo gairdneri)
EC50 Daphnia 1	3.2 mg/l (48 h, Daphnia magna)

<b>Toluene (108-88-3)</b>	
LC50 fish 1	5.5 mg/l (96 h, Oncorhynchus kisutch, Flow-through system, Fresh water, Experimental value)

### 12.2. Persistence and degradability

<b>Ethyl Benzene (100-41-4)</b>	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil.
Biochemical oxygen demand (BOD)	1.44 g O <sub>2</sub> /g substance (20d.)
Chemical oxygen demand (COD)	2.1 g O <sub>2</sub> /g substance

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<b>Ethyl Benzene (100-41-4)</b>	
ThOD	3.17 g O <sub>2</sub> /g substance
BOD (% of ThOD)	45.4 (20 days)
<b>m-Xylene (108-38-3)</b>	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	2.53 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2.63 g O <sub>2</sub> /g substance
ThOD	3.1 g O <sub>2</sub> /g substance
<b>o-xylene (95-47-6)</b>	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.64 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2.91 g O <sub>2</sub> /g substance
ThOD	3.125 g O <sub>2</sub> /g substance
<b>Toluene (108-88-3)</b>	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	2.15 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2.52 g O <sub>2</sub> /g substance
ThOD	3.13 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.69

### 12.3. Bioaccumulative potential

<b>Ethyl Benzene (100-41-4)</b>	
BCF fish 1	1 (BCF; Other; 6 weeks; Oncorhynchus kisutch; Flow-through system; Salt water; Literature study)
BCF fish 2	15 - 79 (BCF)
BCF other aquatic organisms 1	4.68 (BCF)
Log Pow	3.15 (Experimental value; 3.6; Experimental value; EU Method A.8: Partition Coefficient; 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>m-Xylene (108-38-3)</b>	
BCF fish 1	15 (Carassius auratus)
BCF fish 2	24 (Anguilla japonica)
Log Pow	3.2 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>o-xylene (95-47-6)</b>	
BCF fish 1	21.4 (Anguilla japonica)
BCF fish 2	14.1 (Carassius auratus)
BCF other aquatic organisms 1	219 (Selenastrum capricornutum)
Log Pow	3.12 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>Toluene (108-88-3)</b>	
BCF fish 1	90 (72 h, Leuciscus idus, Static system, Fresh water, Experimental value)
Log Pow	2.73 (Experimental value, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

### 12.4. Mobility in soil

<b>Ethyl Benzene (100-41-4)</b>	
Surface tension	0.029 N/m
Log Koc	log Koc,PCKOCWIN v1.66; 2.71; Calculated value; Koc; PCKOCWIN v1.66; 517.8; Calculated value
<b>m-Xylene (108-38-3)</b>	
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.
<b>o-xylene (95-47-6)</b>	
Surface tension	0.003 N/m (25 °C)
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.



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<b>Toluene (108-88-3)</b>	
Surface tension	27.73 N/m (25 °C)
Ecology - soil	Low potential for adsorption in soil.

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

- Disposal instructions : Do not allow this material to drain into sewers/ water supplies. Recover and recycle, if practical. Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited pursuant to the Resource Conservation and Recovery Act.
- Local disposal regulations : Dispose in accordance with all applicable regulations.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

- Transport document description : UN1307 Xylenes, 3, III
- UN-No.(DOT) : UN1307
- Proper Shipping Name (DOT) : Xylenes
- Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
- Packing group (DOT) : III - Minor Danger
- Hazard labels (DOT) : 3 - Flammable liquid



- DOT Packaging Non Bulk (49 CFR 173.xxx) : 203
- DOT Packaging Bulk (49 CFR 173.xxx) : 242
- DOT Special Provisions (49 CFR 172.102) : B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.  
 IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).  
 T2 - 1.5 178.274(d)(2) Normal..... 178.275(d)(3)  
 TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling =  $97 / 1 + a (tr - tf)$  Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
- DOT Packaging Exceptions (49 CFR 173.xxx) : 150
- DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 60 L
- DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 220 L
- DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
- Other information : No supplementary information available.

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### Transportation of Dangerous Goods

#### Transport by sea

#### Air transport

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### Xylene (1330-20-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Subject to reporting requirements of United States SARA Section 313

CERCLA RQ

100 lb

SARA Section 311/312 Hazard Classes

Physical hazard – Fire Hazard  
Health hazard - Immediate Hazard  
Health hazard - Delayed Hazard

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

m-Xylene

CAS-No. 108-38-3

35 - 46%

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Ethyl Benzene

CAS-No. 100-41-4

10 - 19%

o-xylene

CAS-No. 95-47-6

5 - 15%

Toluene

CAS-No. 108-88-3

0 - 0.5%

#### Ethyl Benzene (100-41-4)

EPA TSCA Regulatory Flag

T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.

CERCLA RQ

1000 lb

#### o-xylene (95-47-6)

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ

1000 lb

#### Toluene (108-88-3)

CERCLA RQ

1000 lb

SARA Section 311/312 Hazard Classes

Physical hazard – Fire Hazard  
Health hazard - Immediate Hazard  
Health hazard - Delayed Hazard

### 15.2. International regulations

#### CANADA

No additional information available

#### o-xylene (95-47-6)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

No additional information available

#### National regulations

#### Ethyl Benzene (100-41-4)

Listed on IARC (International Agency for Research on Cancer)

#### o-xylene (95-47-6)

Listed on EPA Hazardous Air Pollutant (HAPS)

# Xylene

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### 15.3. US State regulations

#### Xylene (1330-20-7)

State or local regulations	U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
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**WARNING** This product can expose you to Ethyl Benzene, which is known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

#### Ethyl Benzene (100-41-4)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No	54	

#### Toluene (108-88-3)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
No	Yes	No	No	7000	

#### Ethyl Benzene (100-41-4)

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

#### o-xylene (95-47-6)

U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

#### Toluene (108-88-3)

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

## SECTION 16: Other information

Revision date : 05/04/2018

Full text of H-phrases:

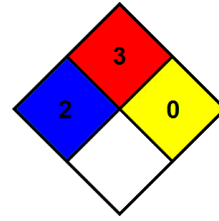
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H373	May cause damage to organs through prolonged or repeated exposure
H401	Toxic to aquatic life

# Xylene

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NFPA health hazard	: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
NFPA fire hazard	: 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.
NFPA reactivity	: 0 - Material that in themselves are normally stable, even under fire conditions.



SDS US (GHS HazCom 2012)

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