

## SECTION 1: PRODUCT IDENTIFICATION

<b>Product Name:</b>	Xylene
<b>Synonyms:</b>	
<b>Product Number:</b>	95-2001 (1-gallon jug), 95-2005 (5-gallon pail)
<b>Company:</b>	Durável
<b>Address:</b>	227 Crompton St., Charlotte NC 28273
<b>Business Phone:</b>	(704) 837-7991
<b>Emergency Phone:</b>	Chemtrec US (800) 424-9300 CNN 1014580
<b>Date of Current Revision:</b>	November 16, 2023

## SECTION 2: HAZARD IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity – Oral	Category 5
Acute toxicity – Dermal	Category 4
Acute toxicity – Inhalation (Vapors)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity – Respiratory system (single exposure)	Category 3
Specific target organ toxicity – Hearing organs (repeated exposure)	Category 2
Specific target organ toxicity – Central nervous system. Liver, Kidneys (repeated exposure, inhalation)	Category 2
Aspiration toxicity	Category 1
Aspiration hazard	Category 1
Carcinogenicity	Category 2
Flammable Liquids	Category 3
Short-term (acute) aquatic hazard	Category 2
Long-term (chronic) aquatic hazard	Category 3
Hazardous to the Aquatic Environment – Acute Hazard	Category 2

**EMERGENCY OVERVIEW:** This product is a clear liquid.

**DANGER!**

**Hazard Statements**

Flammable Liquid  
Suspected of Causing Cancer  
Toxic to Aquatic Life

Harmful to Aquatic Life with Long Lasting Effects  
 Causes Serious Eye Irritation  
 May Cause Respiratory Irritation  
 May Cause Drowsiness or Dizziness  
 May cause damage to organs (hearing organs) through prolonged or repeated exposure  
 May cause damage to organs (central nervous system, liver, kidneys) through prolonged or repeated exposure if inhaled.  
 May be Harmful if Swallowed  
 May be Harmful if Swallowed and Enters Airways  
 Causes Skin Irritation



**Appearance:** Transparent  
Liquid

**Physical State:** Liquid

**Odor:** Aromatic, Solvent

**Precautionary Statements – Prevention**

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Keep away from heat/sparks/open flames/hot surfaces. - No smoking
- Keep container tightly closed
- Ground/bond container and receiving equipment
- Use explosion-proof electrical/ ventilating / lighting/ equipment
- Use only non-sparking tools
- Take action to prevent static discharges
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Wash face, hands and any exposed skin thoroughly after handling
- Use only outdoors or in a well-ventilated area
- Avoid release to the environment
- Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements – Response**

- IF exposed or concerned: Get medical advice/attention
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
- If skin irritation occurs: Get medical advice or attention.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contacts, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention
- IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
- IF SWALLOWED: Immediately call a POISON CONTROL CENTER/doctor
- Do NOT induce vomiting.
- Take off contaminated clothing and wash before reuse

In case of fire use, "alcohol resistant" foam, dry chemical, halon or carbon dioxide to extinguish.  
Collect spillage

**Precautionary Statements - Storage**

Store in well-ventilated place. Keep Cool. Keep container tightly closed. Store locked up.

**Precautionary Statements – Disposal**

Dispose of contents/container in accordance with local/regional/national regulations.

**Hazards Not Otherwise Classified (HNOC)**

Repeated exposure may cause skin dryness or cracking

**SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS**

**Substance**

Chemical Name	CAS No.	Weight - %	Trade Secret
Xylene	1330-20-7	80 - 97	*
Ethylbenzene	100-41-4	3 - 12	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**SECTION 4: FIRST-AID MEASURES**

**Description of First Aid Measures**

- General Advice**                      Move out of the dangerous area. Consult a physician. Provide this Safety Data Sheet to the doctor in attendance.
  
- Eye Contact**                              IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
  
- Skin Contact**                              IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
  
- Inhalation**                                  IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
  
- Ingestion**                                  IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in Section 2 and/or in Section 11

**Symptoms** Eye, Skin, and Respiratory Irritation.

**Indication of any immediate medical attention and special treatment needed**

**Note to Physicians** Treat symptomatically. For additional information, see Safety Data Sheet.

**SECTION 5: FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Dry Chemical, Alcohol Resistant Foam, Halon or Carbon Dioxide

**Unsuitable extinguishing media**

For this substance/mixture no limitations of extinguishing agents are given.

**Specific hazards arising from the chemical**

In a fire or if heated a pressure increase may occur and the container may burst.

**Hazardous combustion products**

Carbon dioxide (CO<sub>2</sub>). Carbon monoxide.

**Explosion Data****Sensitivity to Mechanical Impact**

Not available

**Sensitivity to Static Discharge**

May be ignited by friction, heat, sparks or flames.

**Protective equipment and precautions for firefighters**

Wear self-contained breathing apparatus and protective suit.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures****Personal Precautions**

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see Section 8.

**Environmental Precautions**

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Methods and material for containment and cleaning up**

Contain spillage, and then collect with liquid absorbent material, or an electrically protected vacuum cleaner, or by wet-brushing. Place contaminated materials in container for disposal according to local regulations (see section 13).

**SECTION 7: HANDLING AND STORAGE****Precautions for safe handling**

**Advice for safe handling** Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Avoid breathing fume/gas/mist/vapors/spray. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Take measures to prevent the buildup of electrostatic charge. Use non-sparking tools. Wash hands and skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Incompatible Materials** Keep away from strong oxidizing agents, strong alkalis, and strong acids.

**SECTION 8: EXPOSURE CONTROLS – PERSONAL PROTECTION**

Control parameters

Exposure guidelines

Components	Value	Control Parameters	Basis
Xylene 1330-20-7	TWA	100.000000 ppm	USA. ACGIH Threshold Limit Values (TLV)
	STEL	150.000000 ppm	USA. ACGIH Threshold Limit Values (TLV)
	TWA	20.000000 ppm	USA. ACGIH Threshold Limit Values (TLV)
	STEL	125.000000 ppm	USA. ACGIH Threshold Limit Values (TLV)
Ethylbenzene 100-41-4	TWA	20.000000 ppm	USA. ACGIH Threshold Limit Values (TLV)
	STEL	125.000000 ppm	USA. ACGIH Threshold Limit Values (TLV)
	TWA	20 ppm	USA. ACGIH Threshold Limit Values (TLV)

Appropriate engineering controls

**Engineering controls**                      Handle in accordance with good industrial hygiene and safety practice.  
Wash hands before breaks and at the end of workday.

Individual protection measures, such as personal protective equipment

**Eye and face protection**                      Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin and body protection**                      Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.  
Complete suit protecting against chemicals, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**                      Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**General Hygiene  
Considerations**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before and after breaks and at the end of the work day.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Aromatic, Solvent
<b>Appearance</b>	Transparent Liquid	<b>Odor Threshold</b>	No data available
<b>Color</b>	Transparent Liquid		

<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>
<b>pH</b>	Not Available	
<b>Melting point/freezing point</b>	Not Applicable	
<b>Boiling point/Boiling range</b>	136° - 140° C (277° - 284° F)	1,013 hPa
<b>Flash point</b>	25° C (<77° F)	CC (closed cup)
<b>Evaporation rate</b>	Not Available	
<b>Flammability (solid, gas)</b>	Not Relevant	
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>	Not Available	
<b>Lower flammability limit:</b>	Not Available	
<b>Vapor pressure</b>	Not Available	
<b>Vapor density</b>	Not Available	
<b>Relative density</b>	0.86 g/mL @ 25° C (77° F)	
<b>Water solubility</b>	Insoluble in water	
<b>Solubility in other solvents</b>	Not Available	
<b>Partition coefficient</b>	Not Available	
<b>Autoignition temperature</b>	Not Available	
<b>Decomposition temperature</b>	Not Available	
<b>Kinematic viscosity</b>	Not Available	
<b>Dynamic viscosity</b>	Not Available	
<b>Explosive properties</b>	Not Available	
<b>Oxidizing properties</b>	Not Available	

**Other Information**

Softening point	Not Relevant
Molecular weight	Not Available
VOC Content (%)	Not Applicable
Density	Not Available
Bulk Density	Not Available

**SECTION 10: STABILITY AND REACTIVITY****Reactivity**

Not Available

**Chemical stability**

Stable

**Possibility of Hazardous Reactions**

Hazardous polymerization does not occur. Vapors may form explosive mixture with air.

**Conditions to avoid**

Heat, flames and sparks

**Incompatible materials**

Keep away from strong oxidizing agents, strong alkalis, and strong acids.

**Hazardous Decomposition Products**

Hazardous decomposition products formed under fire conditions, carbon oxides

**SECTION 11: TOXICOLOGICAL INFORMATION****Information on toxicological effects****Acute toxicity**

Acute toxicity estimate Oral – 3,518 mg/kg  
(calculation method)  
LD50 Oral – Rat – male – 3,523 mg/kg (Xylene)  
(EC Directive 92/69/EEC B.1 Acute Toxicity (Oral))  
Remarks: (ECHA)

Acute toxicity estimate Inhalation – 4h – 12 mg/l – vapor  
(calculation method)  
LC50 Inhalation – Rat – male – 4h – 29.09 mg/l – vapor (Xylene)  
(Regulation (EC) No. 440/2008, Annex, B.2)  
Remarks: (Regulation (EC) No 1272/2008, Annex VI)

Acute toxicity estimate Dermal – 1,376 mg/kg  
(calculation method)  
LD50 Dermal – Rabbit - > 1,700 mg/kg (Xylene)  
Remarks: (RTECS)  
No data available



<b>Skin corrosion/ irritation</b>	Skin – Rabbit (Xylene) Result: Moderate skin irritation – 24h Remarks: (IUCLID) Drying-out effect resulting in rough and chapped skin. After long-term exposure to the chemical: Dermatitis (Xylene)
<b>Serious eye damage/ eye irritation</b>	Eyes – Rabbit (Xylene) Result: Causes serious eye irritation – 24h Remarks: (RTECS)
<b>Respiratory or skin sensitization</b>	Local lymph node assay (LLNA) – Mouse (Xylene) Result: negative (OECD Test Guideline 429)
<b>Germ cell mutagenicity</b>	Test type: Mutagenicity (mammal cell test): chromosome aberration (Xylene) Test system: Chinese hamster ovary cells Metabolic activation: with and without metabolic activation Method: Regulation (EC) No. 440/2008, Annex, B.10 Result: negative Remarks: (National Toxicology Program)  Test type: Ames test (Xylene) Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative  Test type: sister chromatid exchange assay (Xylene) 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: dominant lethal test (Xylene) Species: mouse Method: OECD Test Guideline 478 Result: negative
<b>Carcinogenicity</b>	IARC: 2B – Group 2B: Possibly carcinogenic to humans (ethylbenzene) NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens
<b>Reproductive toxicity</b>	No data available

**Specific target organ toxicity – single exposure**

No data available

**Specific target organ toxicity – repeated exposure**

No data available

**Aspiration hazard**

May be fatal if swallowed and enters airways

**Additional Information**

Repeated dose toxicity – Rat – male and female – Oral – 90 d – NOAEL (No observed adverse effect level) – 150 mg/kg – LOAEL (Lowest observed adverse effect level) – 150 mg/kg (Xylene)

Blurred vision, incoordination, headache, nausea, vomiting, dizziness, weakness, amnia.

Prolonged or repeated exposure to skin causes defatting and dermatitis (Xylene)

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

After absorption (Xylene)

Systemic effects: headache, somnolence, dizziness, agitation, spasms, narcosis, inebriation

Effect potentiated by: ethanol

Stomach – irregularities – based on human evidence

Other dangerous properties cannot be excluded. Handle in accordance with good industrial hygiene and safety practice.

**SECTION 12: ECOLOGICAL INFORMATION**

Material is expected to be harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**Ecotoxicity**

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Xylene 1330-20-7	EC50: = 4.7 mg/L, 72h static (Pseudokirchneriella subcapitata)	13.4: 96 h Pimephales promelas mg/L LC50 flow-through 2.661 - 4.093: 96 h Oncorhynchus mykiss mg/L LC50 static 13.5 - 17.3: 96 h Oncorhynchus mykiss mg/L LC50 13.1 - 16.5: 96 h Lepomis macrochirus mg/L LC50 flow-through 19: 96 h Lepomis macrochirus	3.82: 48 h water flea mg/L EC50 0.6: 48 h Gammarus lacustris mg/L LC50

		mg/L LC50 7.711 - 9.591: 96 h Lepomis macrochirus mg/L LC50 static 23.53 - 29.97: 96 h Pimephales promelas mg/L LC50 static 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50 30.26 - 40.75: 96 h Poecilia reticulata mg/L LC50 static	
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**Persistence and degradability**

No data available

**Bioaccumulation**

No data available

Chemical Name	Partition coefficient
Xylene 1330-20-7	2.77-3.15

**Other adverse effects**

No data available

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes**

Under RCRA 40 CFR 261 this material is a hazardous waste. Dispose of in accordance with all federal, state, and local regulations. If uncertain of local requirements, contact the proper environmental authorities for information on waste disposal in your area. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**

Dispose of in accordance with federal, state and local regulations

Chemical Name	RCRA	RCRS – Basis for Listing	RCRA – D Series Wastes	RCRA – U Series Wastes
Xylene 1330-20-7	--	Included in waste stream: F039	--	U239

Chemical Name	California Hazardous Waste Status
Xylene 1330-20-7	Toxic Ignitable

**SECTION 14: TRANSPORTATION INFORMATION**

**DOT** UN1307, Xylenes, 3, III  
**Marine pollutant** Material is expected to be harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**IATA** UN1307, Xylenes, 3, III

**IMDG** UN1307, Xylenes, 3, III

**SECTION 15: REGULATORY INFORMATION**

**International Inventories**

**TSCA** Complies  
**DSL/NDSL** Complies  
**EINECS/ELINCS** Complies  
**ENCS** Complies  
**IECSC** Complies  
**KECL** Complies  
**PICCS** Complies  
**AICS** Complies

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**

The following components are subject to reporting levels established by SARA Title III, Section 313

Chemical Name	CAS No.	Revision Date
Xylene	1330-20-7	1993-04-24
Ethylbenzene	100-41-4	2007-07-01

**SARA 311/312 Hazard Categories**

**Acute health hazard** Yes  
**Chronic health hazard** Yes  
**Fire hazard** Yes  
**Sudden release of pressure hazard** Yes  
**Reactive hazard** No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA – Reportable Quantities	CWA – Toxic Pollutants	CWA – Priority Pollutants	CWZ – Hazardous Substances
Xylene 1330-20-7	100 lb	--	--	X

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Xylene 1330-20-7	100 lbs	--	RQ 100 lb final RQ RQ 45.4 kg final RQ

**US State Regulations**

**California Proposition 65**

This product contains chemicals known to the state of California to cause birth defects or other reproductive harm

**US State Right-to-Know Regulations**

- Massachusetts
- New Jersey
- Pennsylvania
- Illinois

**SECTION 16: OTHER INFORMATION**

**NFPA** Class IC Liquid: Flash Point above 73° F and below 100° F

**Issue Date** August 3, 2020  
**Revision Date** November 16, 2023  
**Revision Note** None

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Durável assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Durável assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety precautions are followed.

**END OF SAFETY DATA SHEET**