



# SAFETY DATA SHEET

<b>SECTION 1.0</b>	<b>PRODUCT AND COMPANY IDENTIFICATION</b>
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<b>Product Identifier</b>	UNIAROM® Xylene AV
<b>Synonyms</b>	xylene (xylo); xylo; methyl toluene; benzene, dimethyl-; dimethylbenzene. See section 16 for complete information.
<b>Recommended use (identified)</b>	This product is intended for use as a refinery feedstock, fuel or for use in engineered processes. Use in other applications may result in higher exposures and require additional controls, such as local exhaust ventilation and personal protective equipment.
<b>Recommended restrictions</b>	None known
<b>Manufacturer/Importer/Supplier/Distributor Information</b>	UNISOURCE-ENERGY, LLC 40 Shuman Blvd, Suite 290 Naperville, IL 60563
<b>E-mail</b>	orders@unisource-energy.com
<b>Telephone number</b>	Phone: 630-470-6030 Fax: 630-470-6031
<b>Emergency telephone number</b>	UNISOURCE-ENERGY, LLC 1-800-444-5510  CHEMTREC 1-800-424-9300

<b>SECTION 2.0</b>	<b>HAZARD(S) IDENTIFICATION</b>
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<b>Physical hazards</b>	Flammable liquids	Category 3
<b>Health hazards</b>	Acute toxicity, dermal	Category 4
	Acute toxicity, inhalation	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2B
	Carcinogenicity	Category 2
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation



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<b>Environmental Hazards</b>	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Aspiration hazard	Category 1
	Hazardous to the aquatic environment, acute hazard	Category 2

**OSHA defined hazards** Not Classified

**GHS label elements**



**Signal word** Warning

**Hazard statement** Flammable liquid and vapor. May be fatal if swallowed and enters airways. Harmful in contact with skin. Causes skin irritation. Causes eye irritation. Harmful if inhaled. May cause drowsiness or dizziness. Suspected of causing cancer. Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment.

**Precautionary statement**

**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 precautionary measures against static discharges. Avoid breathing gas/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling.

**Response** In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction. If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. 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. Take off contaminated clothing and wash before reuse. Get medical advice/attention if you feel unwell. If exposed or concerned: Call a poison center/doctor, if you feel unwell. If exposed or concerned: Call a poison center/doctor.



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**Storage** Store container tightly closed in well-ventilated place. Keep cool. Store locked up.

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

**Hazard(s) not otherwise classified (HNOC)** None known

<b>SECTION 3.0</b>	<b>COMPOSITION/INFORMATION ON INGREDIENTS</b>
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**Substance/mixture**

Chemical name	CAS Number	%
Xylene (o, m, p isomers)	1330-20-7	55 - 98
Ethylbenzene	100-41-4	2 - 35

<b>SECTION 4.0</b>	<b>FIRST AID MEASURES</b>
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**Description of necessary first aid measures**

<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
<b>Skin contact</b>	Remove contaminated clothing and shoes. Wash off immediately with soap and plenty of water. Get medical attention if irritation develops or persists. Wash clothing separately before reuse. Destroy or thoroughly clean contaminated shoes. If high pressure injection under the skin occurs, always seek medical attention.
<b>Eye contact</b>	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.



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## Ingestion

Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. Do not give mouth-to-mouth resuscitation. If vomiting occurs, keep head low so that stomach content does not get into the lungs. Never give anything by mouth to a victim who is unconscious or is having convulsions. Get medical attention immediately.

## Most important symptoms, acute and delayed

Irritation. Drowsiness and dizziness.

## Indication of immediate medical attention and special treatment needed

In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

## General information

If exposed or concerned: get medical attention/advice. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use.

## SECTION 5.0

## FIRE-FIGHTING MEASURES

### Suitable extinguishing media

Water spray. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>)

### Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

### Specific hazards arising from the chemical

Vapor may cause flash fire. Vapors can flow along surfaces to distant ignition source and flash back. Sensitive to static discharge.

### Special protective equipment and precautions for firefighters

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

### Fire-fighting equipment/instructions

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Move containers from fire area if you can do it without risk. In the event of fire, cool tanks with water spray. Cool containers exposed to flames with water until well after the fire is out. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible,



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withdraw from area and let fire burn. Vapors may form explosive air mixtures even at room temperature. Prevent buildup of vapors or gases to explosive concentrations. Some of these materials, if spilled, may evaporate leaving a flammable residue. Water runoff can cause environmental damage. Use compatible foam to minimize vapor generation as needed.

## Specific methods

Use water spray to cool unopened containers.

<b>SECTION 6.0</b>	<b>ACCIDENTAL RELEASE MEASURES</b>
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### Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Local authorities should be advised if significant spills cannot be contained. Keep upwind. Keep out of low areas. Ventilate closed spaces before entering. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. See Section 8 of the SDS for Personal Protective Equipment

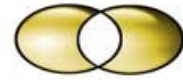
### Methods and materials for containment and cleaning up

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Extinguish all flames in the vicinity. Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.

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. Cover with plastic sheet to prevent spreading. Collect spillage. Following product recovery, flush area with water. Prevent product from entering drains. Do not allow material to contaminate ground water system. Clean surface thoroughly to remove residual contamination. Wipe up with absorbent material (e.g. cloth, fleece).

Never return spills in original containers for re-use. Prevent entry into waterways, sewers, basements or confined areas. Stop leak if you can do so without risk. This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. Dike the spilled material, where this is possible. Eliminate all ignition sources (no smoking, flares, sparks, or flames in



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immediate area). Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination. Should not be released into the environment. Do not allow material to contaminate ground water system. Prevent product from entering drains.

## Environmental precautions

If facility or operation has an "oil or hazardous substance contingency plan", activate its procedures. Stay upwind and away from spill. Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not enter or stay in area unless monitoring indicates that it is safe to do so. Isolate hazard area and restrict entry to emergency crew. Flammable. Review Firefighting Measures, Section 5, before proceeding with clean up. Keep all sources of ignition (flames, smoking, flares, etc.) and hot surfaces away from release. Contain spill in smallest possible area. Recover as much product as possible (e.g. by vacuuming). Stop leak if it can be done without risk. Use water spray to disperse vapors. Spilled material may be absorbed by an appropriate absorbent, and then handled in accordance with environmental regulations. Prevent spilled material from entering sewers, storm drains, other unauthorized treatment or drainage systems and natural waterways. Contact fire authorities and appropriate federal, state and local agencies. If spill of any amount is made into or upon navigable waters, the contiguous zones, or adjoining shorelines, contact the National Response Center at 1-800-424-8802. For highway or railways spills, contact Chemtrec at 1-800-424-9300.

## SECTION 7.0

## HANDLING AND STORAGE

### Precautions for safe handling

Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Wear personal protective equipment. Do not breathe gas/fumes/vapor/spray. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Avoid prolonged exposure. Use only with adequate ventilation. Wash thoroughly after handling. The product is extremely flammable, and explosive vapor/air mixtures may be formed even at normal room temperatures. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Take precautionary measures against static discharges. All equipment



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used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. When using, do not eat, drink or smoke. Avoid release to the environment.

## Conditions for safe storage, including any incompatibilities

Flammable liquid storage. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. The pressure in sealed containers can increase under the influence of heat. Keep container tightly closed in a cool, well-ventilated place. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

## SECTION 8.0

## EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Ethylbenzene (CAS 100-41-4)	PEL	435 mg/m <sup>3</sup> 100 ppm
Xylene (o, m, p isomers) (CAS 1330-20-7)	PEL	435 mg/m <sup>3</sup> 100 ppm

#### US. ACGIH Threshold Limit Values

Components	Type	Value
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm
Xylene (o, m, p isomers) (CAS 1330-20-7)	STEL	150 ppm
	TWA	100 ppm

#### US. NIOSH: Pocket Guide to Chemical Hazards Components

Components	Type	Value
Ethylbenzene (CAS 100-41-4)	STEL	545 mg/m <sup>3</sup> 125 ppm <sub>3</sub>
	TWA	435 mg/m <sup>3</sup> 100 ppm
Xylene (o, m, p isomers) (CAS 1330-20-7)	STEL	655 mg/m <sup>3</sup> 150 ppm
	TWA	435 mg/m <sup>3</sup> 100 ppm



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## Biological limit values

### ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Ethylbenzene (CAS 100-41-4)	0.7 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*
Xylene (o, m, p isomers) (CAS 1330-20-7)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*

\* - For sampling details, please see the source document.

### Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment.

### Individual Protection measures, such as personal protective equipment

#### Eye/face protection

Wear safety glasses. If splash potential exists, wear full face shield or chemical goggles.

#### Skin protection

##### Hand protection

Avoid exposure - obtain special instructions before use. Wear protective gloves. Protective gloves.

##### Other

Wear chemical-resistant, impervious gloves. Full body suit and boots are recommended when handling large volumes or in emergency situations. Flame retardant protective clothing is recommended.

#### 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. 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. If workplace exposure limits for product or components are exceeded, NIOSH approved equipment should be worn. Proper respirator selection should be determined by adequately trained personnel, based on the contaminants, the degree of potential exposure and published respiratory protection factors. This equipment should be available for nonroutine and emergency use.

#### Thermal hazards

Not available





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**General hygiene consideration** Consult supervisor for special handling instructions. Avoid contact with eyes. Avoid contact with skin. Keep away from food and drink. Wash hands before breaks and immediately after handling the product. Provide eyewash station and safety shower. Handle in accordance with good industrial hygiene and safety practice.

<b>SECTION 9.0</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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<b>Appearance</b>	Colorless liquid
<b>Physical state</b>	Liquid
<b>Form</b>	Liquid
<b>Color</b>	Colorless
<b>Odor</b>	Aromatic, benzene-like
<b>Odor threshold</b>	Not available
<b>pH</b>	Not available
<b>Melting point/freezing point</b>	-15.07 °F (-26.15 °C)
<b>Initial boiling point and boiling range</b>	281.93 °F (138.85 °C)
<b>Flash point</b>	80.3 - 89.3 °F (26.9 - 31.9 °C) Closed Cup
<b>Evaporation rate</b>	0.8 (Butyl acetate = 1)
<b>Flammability (solid, gas)</b>	Not available
<b>Lower and upper explosive (flammable) limits</b>	
<b>Flammability limit – lower (%)</b>	1 %
<b>Flammability limit – upper (%)</b>	7 %
<b>Explosive limit - lower (%)</b>	Not available
<b>Explosive limit - upper (%)</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	3.7
<b>Relative density</b>	Not available
<b>Solubility</b>	
<b>Solubility (water)</b>	Very slightly soluble



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<b>Partition coefficient n-octanol/water</b>	Not available
<b>Auto-ignition temperature</b>	865.94 - 984.02 °F (463.3 - 528.9 °C)
<b>Decomposition temperature</b>	Not available
<b>Viscosity</b>	Not available
<b>Other Information</b>	
<b>Molecular formula</b>	C8-H10
<b>Percent volatile</b>	100 %

## SECTION 10.0

## STABILITY AND REACTIVITY

<b>Reactivity</b>	Not available
<b>Chemical stability</b>	Stable under normal temperature conditions and recommended use.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Heat, flames and sparks. Ignition sources. Contact with incompatible materials. Do not pressurize, cut, weld, braze, solder, drill, grind or expose empty containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death.
<b>Incompatible materials</b>	Strong oxidizing agents. Reducing agents. Acids. Alkalis.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## SECTION 11.0

## TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Ingestion</b>	May be fatal if swallowed and enters airways.
<b>Inhalation</b>	Harmful if inhaled. May cause drowsiness or dizziness.
<b>Skin contact</b>	Harmful in contact with skin. Causes skin irritation.
<b>Eye contact</b>	Causes eye irritation



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**Symptoms related to the physical, chemical and toxicological characteristics**

Irritation. Drowsiness and dizziness.

## Information on toxicological effects

### Acute toxicity

Harmful if inhaled. Harmful in contact with skin. Harmful if swallowed - may enter lungs if swallowed or vomited.

Components	Species	Test Results
Ethylbenzene (CAS 100-41-4)		
<b>Acute</b>		
Dermal LC50	Rabbit	> 5000 mg/kg
Oral LD50	Rat	5.46 g/kg
Xylene (o, m, p isomers) (CAS 1330-20-7)		
<b>Acute</b>		
Oral LD50	Rat	4300 mg/kg

**Skin Corrosion/irritation** Causes skin irritation

**Serious eye/eye irritation damage** Causes eye irritation

### Respiratory or skin sensitization

**Respiratory sensitization** Not assigned

**Skin sensitization** Not assigned

**Germ cell mutagenicity** Not assigned

**Carcinogenicity** Suspected of causing cancer.

### IARC Monographs. Overall Evaluation of Carcinogenicity

Ethylbenzene (CAS 100-41-4) 2B Possibly carcinogenic to humans

Xylene (o, m, p isomers) (CAS 1330-20-7) 3 Not classifiable as to carcinogenicity to humans.

### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Benzene (CAS 71-43-2) Cancer

**Reproductive toxicity** Not assigned.



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<b>Specific target organ toxicity - single exposure</b>	May cause drowsiness or dizziness.
<b>Specific target organ toxicity - repeated exposure</b>	Not assigned
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.
<b>Chronic Effects</b>	Contains organic solvents which in case of overexposure may depress the central nervous system causing dizziness and intoxication.

<b>SECTION 12.0</b>	<b>ECOLOGICAL INFORMATION</b>
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## Ecotoxicity

Components	Species	Test Results
Ethylbenzene (CAS 100-41)-4		
<b>Aquatic</b>		
Crustacea EC50	Water flea (Daphnia magna)	1 - 4 mg/l, 48 hours
Fish LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4 mg/l, 96 hours
Xylene (o, m, p isomers) (CAS 1330-20-7)		
<b>Aquatic</b>		
Fish LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	8 mg/l, 96 Hours

**Persistence and degradability** No data available

**Bioaccumulative potential** No data available

### Partition coefficient n-octanol / water (log Kow)

Ethylbenzene (CAS 100-41-4)	3.15
Xylene (o, m, p isomers) (CAS 1330-20-7)	3.2

**Mobility in soil** Not available

**Other adverse effects** None known



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<b>SECTION 13.0</b>	<b>DISPOSAL CONSIDERATIONS</b>
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<b>Disposal instructions</b>	Dispose in accordance with all applicable regulations. This material and its container must be disposed of as hazardous waste. Dispose of this material and its container to hazardous or special waste collection point. Incinerate the material under controlled conditions in an approved incinerator. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container.
<b>Local disposal regulations</b>	Dispose of in accordance with local regulations
<b>Hazardous disposal code</b>	D001: Waste Flammable material with a flash point <140 °F U239: Waste Xylene
<b>US RCRA Hazardous Waste U List: Reference</b>	
Benzene (CAS 71-43-2)	U019
Toluene (CAS 108-88-3)	U220
Xylene (o, m, p isomers) (CAS 1330-20-7)	U239
<b>Waste from residues / unused products</b>	Dispose in accordance with all applicable regulations
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Offer rinsed packaging material to local recycling facilities.

<b>SECTION 14.0</b>	<b>TRANSPORT INFORMATION</b>
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**DOT**

<b>UN Number</b>	UN1307
<b>UN proper shipping name</b>	Xylenes
<b>Transportation hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Special precautions for user</b>	Not available



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<b>Special provisions</b>	IB1, IB3, T2, TP1
<b>Packaging exceptions</b>	150
<b>Packing non bulk</b>	203
<b>Packaging bulk</b>	242

## IATA

<b>UN Number</b>	UN1307
<b>UN proper shipping name</b>	Xylenes
<b>Transportation hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	No
<b>ERG Code</b>	3L
<b>Special precautions for user</b>	Not available

## IMDG

<b>UN Number</b>	UN1307
<b>UN proper shipping name</b>	Xylenes
<b>Transportation hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	No
<b>EMS</b>	F-E, S-D
<b>Special precautions for user</b>	Not available

### Transport in bulk according to Annex II of MARPOL, 73/78 and the IBC code

This product is a liquid and when transported in bulk is covered under MARPOL 73/78 Annex II. This product is listed in the IBC Code.  
 Ship type: 2  
 Pollution category: Y



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SECTION 15.0	REGULATORY INFORMATION
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## US Federal Regulations

This product is hazardous according to OSHA 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

## TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated

## US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Benzene (CAS 71-43-2)	Cancer
	Central nervous system
	Blood
	Aspiration
	Skin
	Eye
	Respiratory tract irritation
	Flammability

## CERCLA Hazardous Substance List (40 CFR 302.4)

Ethylbenzene (CAS 100-41-4)	Listed
Xylene (o, m, p isomers) (CAS 1330-20-7)	Listed

## Superfund Amendments and Reauthorization Act of 1986 (SARA)

<b>Hazard categories</b>	Immediate Hazard - Yes
	Delayed Hazard - Yes
	Fire Hazard – Yes
	Pressure Hazard – No
	Reactivity - No

## SARA 302 Extremely hazardous substance

Not listed

## SARA 302 Extremely hazardous substance

No



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## SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Xylene (o, m, p isomers)	1330-20-7	55 - 98
Ethylbenzene	100-41-4	2 - 35

## Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Ethylbenzene (CAS 100-41-4)

Xylene (o, m, p isomers) (CAS 1330-20-7)

## Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not Regulated

## Clean Water Act (CWA) Section 112(r) (40 CFR 68.130)

Hazardous substance

Priority pollutant

Toxic Pollutant

## Safe Drinking Water Act(SDWA)

0 mg/l

0.005 mg/l

## US State Regulations

### US. Massachusetts RTK - Substance List

Benzene (CAS 71-43-2)

Ethylbenzene (CAS 100-41-4)

Xylene (o, m, p isomers) (CAS 1330-20-7)

### US. New Jersey Worker and Community Right-to-Know Act

Benzene (CAS 71-43-2)

Ethylbenzene (CAS 100-41-4)

Toluene (CAS 108-88-3)

Xylene (o, m, p isomers) (CAS 1330-20-7)

### US. Pennsylvania Worker and Community Right-to-Know Law

Benzene (CAS 71-43-2)

Ethylbenzene (CAS 100-41-4)

Toluene (CAS 108-88-3)

Xylene (o, m, p isomers) (CAS 1330-20-7)





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## US. Rhode Island RTKUS. Rhode Island RTK

Ethylbenzene (CAS 100-41-4)

Xylene (o, m, p isomers) (CAS 1330-20-7)

## US. California Proposition 65

### US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Benzene (CAS 71-43-2)

Ethylbenzene (CAS 100-41-4)

Toluene (CAS 108-88-3)

## International Inventories

<u>Country(s) or region</u>	<u>Inventory Name</u>	<u>On inventory (yes/no)*</u>
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).



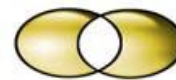
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<b>SECTION 16.0</b>	<b>OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION</b>
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<b>NFPA Ratings</b>	<b>Blue</b>	<b>Health</b>	<b>2</b>
	<b>Red</b>	<b>Flammability</b>	<b>2</b>
	<b>Yellow</b>	<b>Instability</b>	<b>0</b>
	<b>White</b>	<b>Special Hazard</b>	

## Abbreviations

ACGIH = American Conference of Governmental Industrial Hygienists; ADR = European Road Transport; AAICS = Australia Inventory of Chemical Substances; ATE = Acute Toxicity Estimation; AU = Australia; BCF = Bioconcentration Factor; BOD = Biochemical Oxygen Demand; C – Celsius, CA = Canada, CAS = Chemical Abstracts Service; CEILING = Ceiling Limit (15 minutes); CERCLA = The Comprehensive Environmental Response, Compensation, and Liability Act; COC = Cleveland Open Cup; CN = China; CPR= Controlled Products Regulations; CWA = Clean Water Act; DEA – Drug Enforcement Administration; DFG = Deutsche Forschungsgemeinschaft; DOT = Department of Transportation; DSL = Domestic Substances List (Canada); ECC = European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; ELINCS = European List of Notified Chemical Substances; ENCS = Japan Existing and New Chemical Substances; EPA = Environmental Protection Agency; EU = European Union; F = Fahrenheit; GHS = Globally Harmonized System of Classification and Labelling of Chemicals; HAPs = Hazardous Air Pollutants; IARC = International Agency for Research on Cancer; IATA = International Air Transport Association; IBC = Intermediate Bulk Container; ICAO = International Civil Aviation Organization; IDL = Ingredient Disclosure List; IDLH = Immediately Dangerous to Life and Health; IMDG = International Maritime Dangerous Goods; INSHT = National Institute for Health and Safety at Work; IOPC = International Oil Pollution Compensation; JP – Japan; , Kow = Octanol/water partition; LEL = Lower Explosive Limit; LOLI = List of Lists™ - ChemADVISOR's Regulatory Database; ; MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution; MAK = Maximum Concentration Value in the Workplace; MEL = Maximum Exposure Limits; NDSL = Non-Domestic Substances List (Canada); NE = Not Established; NFPA = National Fire Protection Association; NIOSH = National Institute for Occupational Safety and Health; NJTSR = New Jersey Trade Secret Registry; NTP = National Toxicology Program; NZ – New Zealand; OSHA = Occupational Safety and Health Administration; PAH = Polycyclic Aromatic Hydrocarbon; PEL = Permissible Exposure Limit (OSHA); PH= Philippines; PICCS = Philippines Inventory of Chemicals and Chemical Substances; RCRA = Resource Conservation and Recovery; RID = European Rail Transport; RETCS = Registry of Toxic Effects of Chemical Substances®; RTK = Right To Know; SARA = Superfund Amendments and Reauthorization Act; STEL = Short Term Exposure Limit (15 minutes); SCBA = Self-Contained Breathing Apparatus; SDWA = Safe Drinking Water Act; TDG = Transportation of Dangerous Goods; TLV = Threshold Limit Value (ACGIH); TSCA = Toxic Substances Control Act Section 8(b) Inventory; TWA = Time Weighted Average (8 hours); UEL = Upper Explosive Limit; UN = United Nations; US = United States; WHMIS = Worker Hazardous Materials Information System (Canada)



# SAFETY DATA SHEET

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