SAFETY DATA SHEET

Preparation Date: 2/11/2014 **Revision date** 10/8/2019 **Revision Number:** G3

1. IDENTIFICATION

Product identifier

Product code: X1003
Product Name: XYLENES, TECHNICAL

Other means of identification
Synonyms: Benzenes, dimethyl-
Dimethylbenzenes
Methyl toluene
Violet 3
Xylol
CAS #: 1330-20-7
RTECS # ZE2100000
CI#: Not available

Recommended use of the chemical and restrictions on use
Recommended use: Solvent.
Uses advised against No information available

Supplier:
Spectrum Chemical Mfg. Corp
14422 South San Pedro St.
Gardena, CA 90248
(310) 516-8000

Order Online At: https://www.spectrumchemical.com
Emergency telephone number Chemtrec 1-800-424-9300
Contact Person: Tom Tyner (USA - West Coast)
Contact Person: Ibad Tirmiz (USA - East Coast)

2. HAZARDS IDENTIFICATION

Classification

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

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Gases)	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Aspiration toxicity	Category 1
Flammable liquids	Category 3

Label elements

Warning

Hazard statements
Harmful in contact with skin
Harmful if inhaled
Causes skin irritation
Causes serious eye irritation
Suspected of damaging fertility or the unborn child
May cause respiratory irritation. May cause drowsiness or dizziness
May be fatal if swallowed and enters airways
Flammable liquid and vapor

Hazards not otherwise classified (HNOC)
Not Applicable

Other hazards
May be harmful if swallowed
Toxic to aquatic life with long lasting effects
Toxic to aquatic life

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Wash face, hands and any exposed skin thoroughly after handling
Wear eye/face protection
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Keep container tightly closed
Ground container and receiving equipment
Use explosion-proof equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Keep cool

Precautionary Statements - Response
IF exposed or concerned: Get medical attention
In case of fire: Use CO2, dry chemical, or foam to extinguish.
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 attention.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water
Wash contaminated clothing before reuse
If skin irritation occurs: Get medical attention
Call a POISON CENTER or physician if you feel unwell
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.
IF SWALLOWED: Immediately call a POISON CENTER or physician
Do NOT induce vomiting

Precautionary Statements - Storage
Store locked up

Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal
Dispose of contents and container to an approved waste disposal plant in accordance with local, regional, national and international regulations as applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No	Weight-%
Xylenes	1330-20-7	75-87
Ethylbenzene	100-41-4	13-25

4. FIRST AID MEASURES

First aid measures

General Advice: National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222.

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention. If skin irritation persists, call a physician.

Eye Contact: Flush eyes with water for 15 minutes. Get medical attention.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Obtain medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms
Causes eye irritation
Causes skin irritation
Irritating to respiratory system
Coughing
Dyspnea (Shortness of breath and difficulty breathing)
May cause cyanosis
Central nervous system effects
Dizziness
Fatigue
Weakness
Narcosis
Seizures
Convulsions
Aspiration hazard if swallowed - can enter the lungs and cause damage
Aspiration into the lungs may cause chemical pneumonitis
Aspiration into the lungs may cause pulmonary edema
May cause nausea, headache, vomiting
May affect eyes/vision
May cause metabolic acidosis

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

Protection of first-aiders
First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Carbon dioxide (CO2). Dry chemical. Water spray mist or foam.

Unsuitable Extinguishing Media: Do not use a solid (straight) water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Hazardous combustion products Carbon Monoxide, Carbon Dioxide.

Specific hazards Flammable. May be ignited by heat, sparks or flames. Container explosion may occur under fire conditions or when heated. Vapor may travel considerable distance to source of ignition and flash back. Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along the ground and collect in low or confined areas (sewers, basements, tanks). Fire may produce irritating, corrosive and/or toxic gases.

Special Protective Actions for Firefighters

Specific Methods: No information available

Special Protective Equipment for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Remove all sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use spark-proof tools and explosion-proof equipment. In case of large spill, water spray or vapor suppressing foam may be used to reduce vapors, but may not prevent ignition in closed spaces.

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Absorb spill with inert material (e.g. vermiculite, dry sand or earth).

Methods for cleaning up Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Use only non-sparking tools. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical Measures/Precautions:
Provide sufficient air exchange and/or exhaust in work rooms. Remove all sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from incompatible materials.

Safe Handling Advice:
Wear personal protective equipment. Use only in well-ventilated areas. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Do not ingest. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. When using do not smoke. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:
Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Protect from moisture. Keep away from heat and sources of ignition. Store in a segregated and approved area. Store away from incompatible materials.

Incompatible Materials:
Oxidizing agents
Acids
Bases

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

Component	CAS No	OSHA	NIOSH	ACGIH	AIHA WEEL
Xylenes	1330-20-7	100 ppm TWA 435 mg/m³ TWA	None	150 ppm STEL 100 ppm TWA	None
Ethylbenzene	100-41-4	100 ppm TWA 435 mg/m³ TWA	100 ppm TWA 435 mg/m³ TWA 125 ppm STEL 545 mg/m³ STEL	20 ppm TWA	None

Canada

Component	CAS No	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Xylenes	1330-20-7	100 ppm TWA 434 mg/m³ TWA 150 ppm STEL 651 mg/m³ STEL	100 ppm TWA 150 ppm STEL	150 ppm STEL	100 ppm TWAEV 434 mg/m³ TWAEV 150 ppm STEV 651 mg/m³ STEV
Ethylbenzene	100-41-4	100 ppm TWA 434 mg/m³ TWA 125 ppm STEL 543 mg/m³ STEL	20 ppm TWA	None	100 ppm TWAEV 434 mg/m³ TWAEV 125 ppm STEV 543 mg/m³ STEV

Australia and Mexico

Component	CAS No	Australia	Mexico
Xylenes	1330-20-7	150 ppm STEL 655 mg/m³ STEL 80 ppm TWA 350 mg/m³ TWA	100 ppm TWA 150 ppm STEL
Ethylbenzene	100-41-4	125 ppm STEL 543 mg/m³ STEL	100 ppm TWA 435 mg/m³ TWA

		100 ppm TWA 434 mg/m³ TWA	125 ppm STEL 545 mg/m³ STEL

Appropriate engineering controls

Engineering measures to reduce exposure: Ensure adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection: Goggles

Skin and body protection: Chemical resistant apron
Long sleeved clothing
Gloves

Respiratory protection: Vapor respirator. Be sure to use an approved/certified respirator or equivalent.

Hygiene measures: Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:
Liquid

Appearance:
No information available.

Color:
Clear. Colorless.

Odor:
Sweet. Aromatic.

Taste
No information available.

Formula
C8-H10 or C6-H4(CH3)2

Molecular/Formula weight (g/mole):
106.17

Flammability (solid, gas)
no data available

Flash point (°C):
29.44

Flashpoint (°C/°F):
29.44 °C/85 °F

Flash Point Tested according to:
Closed cup

Autoignition Temperature (°C/°F):
460-464 °C/860-867.2 °F

Lower Explosion Limit (%):
1%

Upper Explosion Limit (%):
7%

Melting point/range(°C/°F):
-34 °C/-29 °F

Decomposition temperature(°C/°F):
No information available

Boiling point/range(°C/°F):
136-141°C/276.8-285.8 °F

Bulk density:
No information available

Density (g/cm3):
0.84 @ 25 °C
0.87 @ 25 °C

Specific gravity:
0.86 @ 20 °C

pH
No information available

Vapor pressure @ 20°C (kPa):
0.88-0.89

Evaporation rate:
No information available

Vapor density:
3.7

VOC content (g/L):
840-860

Odor threshold (ppm):
0.7-40

Partition coefficient (n-octanol/water):
3.12-3.2

Viscosity:

Miscibility:

No information available

Miscible with Ether
Miscible with alcohol
Miscible with many organic solvents

Solubility:
Very slightly soluble in water

10. STABILITY AND REACTIVITY

Reactivity
Reactive with oxidizing agents
Reactive with acids
Reacts with strong bases

Chemical stability

Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid: Heat. Ignition sources. Incompatible materials.

Incompatible Materials: Oxidizing agents
Acids
Bases

Hazardous decomposition products: Carbon monoxide. Carbon dioxide. When heated to decomposition it emits acrid smoke and irritating fumes.

Other Information
Corrosivity: No information available

Special Remarks on Corrosivity: No information available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:
Ingestion. Skin. Eyes. Inhalation.

Acute Toxicity

Component Information

Xylenes	
CAS No	1330-20-7

LD50/oral/rat = 3500 mg/kg Oral LD50 Rat; 4300 mg/kg
LD50/oral/mouse = 2119 mg/kg
LD50/dermal/rabbit = >1700 mg/kg (RTECS)
>4350 mg/kg (EU Commission IUCLID dataset)
LD50/dermal/rat = No information available
LC50/inhalation/rat = 47635 mg/L Inhalation LC50 Rat 4 h
5000 ppm 4 h
6300 ppm 4 h
29.08 mg/L Rat 4 h
LC50/inhalation/mouse = No information available
Other LD50 or LC50information = No information available

Ethylbenzene

CAS No	100-41-4

LD50/oral/rat = 3500 mg/kg Oral LD50 Rat
LD50/oral/mouse = No information available
LD50/dermal/rabbit = 15354-15400 mg/kg Dermal LD50Rabbit
LD50/dermal/rat = No information available
LC50/inhalation/rat = 17.4 mg/L Inhalation LC50 Rat 4 h
LC50/inhalation/mouse = 35500 mg/m^3 2H
Other LD50 or LC50information = No information available

Product Information

LD50/oral/rat =
Value - Acute Toxicity = No information available

LD50/oral/mouse =
Value - Acute Tox = No information available

LD50/dermal/rabbit
Value - Acute Toxicity = No information available

LD50/dermal/rat
VALUE - Acute Tox = No information available

LC50/inhalation/rat
VALUE-Vapor = No information available
VALUE-Gas = No information available
VALUE-Dust/Mist = No information available

LC50/Inhalation/mouse
VALUE-Vapor = No information available
VALUE - Gas = No information available
VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: Irritating to skin. Moderately irritating to the skin. It may be absorbed through the skin. If absorbed through skin it may cause systemic effects.

Eye Contact: Causes eye irritation. Moderately irritating to the eyes. Causes conjunctivitis. May cause transient corneal injury. It may cause transient photophobia and disturbances of vision.

Inhalation Exposure to vapor or mist causes eye irritation. Irritating to respiratory system. May cause dyspnea (difficulty breathing or shortness of breath). May cause respiratory arrest. Symptoms may include chest tightness, coughing. May cause chemical pneumonitis. May cause cyanosis. Inhalation of high concentrations of vapors may cause dizziness or suffocation. Inhalation of high concentrations of vapor may cause anesthetic effects. May cause vasodilation of the peripheral vessels with facial flushing/redness. May produce a sensation of bodily warmth. May affect the cardiovascular system (cardiac arrhythmias). May cause sweet tast in mouth. May cause salivation. May cause dehydration. May cause dry mouth, thirst. May cause dry and sore throat. May cause nausea, vomiting. May cause anorexia. It may affect the liver. May affect the kidneys. May cause metabolic acidosis. May cause hypokalemia, hypobicarbonatemia, and hypophosphatemia. May affect behavior/central nervous system (excitement). May affect behavior/central nervous system (CNS depression, fatigue, irritability, memory loss, seizures, tremor, incoordination, coma). May affect behavior/central nervous

system (headache, apprehension, vertigo, confusion drowiness, lassitude, lightheadedness. May affect behavior/central nervous system (slurred speech, difficulty in concentrating). May affect behavior/central nervous system (loss of conciousness, coma). May affect vision (blurred vision).

Ingestion Causes digestive (gastrointestinal) tract irritation. Irritating to mouth, throat and stomach. May cause a burning sensation in the mouth, chest, and stomach. Causes gastrointestinal distress. Ingestion may cause nausea, vomiting, diarrhea. Aspiration hazard if swallowed. Aspiration may lead to pulmonary edema. Aspiration into the lungs can cause chemical pneumonitis. May affect the peripheral nervous system (flaccid paralysis without anesthesia (usually neuromuscular blockage)). May affect urinary system (kidneys). May affect liver. May cause metabolic acidosis. It may cause central nervous system depression.

Aspiration hazard Aspiration hazard. May be fatal if swallowed and enters airways.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity Prolonged skin contact may cause skin irritation. Prolonged or repeated skin contact may cause dermatitis and defatting, dryness, and cracking of the skin. Prolonged or repeated ingestion may cause loss of appetite. Prolonged or repeated ingestion may cause weight loss. Prolonged or repeated inhalation may cause bronchitis with coughing, phlegm, and/or shortness of breath. Prolonged or repeated inhalation may cause nausea. Chronic exposure may cause dry and sore throat. Prolonged or repeated ingestion may affect the liver, and kidneys. Prolonged or repeated ingestion may affect the adrenal gland. Prolonged or repeated ingestion may affect the blood (changes in serum composition). Prolonged or repeated inhalation may affect the liver. Prolonged or repeated inhalation may affect the kidneys. Prolonged or repeated inhalation may affect the brain. Prolonged or repeated inhalation may cause loss of appetite. Prolonged or repeated inhalation may affect metabolism (weight loss). Prolonged or repeated inhalation may affect the peripheral nervous system (weakness, paressthesia - a tingling, prickling, pricking, burning sensation or numbness of the skin (known as the feeling "of pins and needles") generally of the hands and feet (extremities)). Prolonged or repeated inhalation may cause central nervous system effects. Prolonged or repeated inhalation may affect the blood (changes in white blood cell count). Prolonged or repeated inhalation may affect the blood (changes in red blood cell count). Prolonged or repeated inhalation may cause anemia. Prolonged or repeated inhalation may affect the bone marrow (hyperplasia). Chronic exposure to Xylene may be ototoxic (affect hearing). Chronic exposure may cause ringing in the ears (tinnitus).

Sensitization: No information available.

Mutagenic Effects: No information available

Carcinogenic effects: Not classifiable as to its carcinogenicity to humans.

Component	CAS No	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Xylenes	1330-20-7	Group 3 - Not classifiable - Monograph 71 [1999] Monograph 47 [1989]	A4 Not Classifiable as a Human Carcinogen	Not listed	Not listed	Not listed	Not listed

Ethylbenzene	100-41-4	Group 2B - Possibly carcinogenic to humans - Monograph 77 [2000]	A3 Confirmed Animal Carcinogen with Unknown Relevance to Humans	Not listed	Present	Not listed	Not listed

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive toxicity Suspected of damaging fertility or the unborn child

Reproductive Effects: May cause adverse reproductive effects
Crosses the placenta in humans
Developmental Effects: May cause adverse developmental effects based on animal data
Teratogenic Effects: May cause birth defects (teratogenic effects) based on animal test data
Showed teratogenic effects in animal experiments

Specific Target Organ Toxicity

STOT - single exposure respiratory system. central nervous system.
STOT - repeated exposure No information available.
Target Organs: Liver. Kidneys. Central nervous system. Skin. Respiratory system. Lungs.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: Aquatic environment.

Xylenes - 1330-20-7
Fish LC50: =13.4mg/L (96h, Pimephales promelas) LC50: 2.661 - 4.093mg/L (96h, Oncorhynchus mykiss) LC50: 13.5 - 17.3mg/L (96h, Oncorhynchus mykiss) LC50: 13.1 - 16.5mg/L (96h, Lepomis macrochirus) LC50: =19mg/L (96h, Lepomis macrochirus) LC50: 7.711 - 9.591mg/L (96h, Lepomis macrochirus) LC50: 23.53 - 29.97mg/L (96h, Pimephales promelas) LC50: =780mg/L (96h, Cyprinus carpio) LC50: >780mg/L (96h, Cyprinus carpio) LC50: 30.26 - 40.75mg/L (96h, Poecilia reticulata)
Crustacea EC50: =3.82mg/L (48h, water flea) LC50: =0.6mg/L (48h, Gammarus lacustris)
Ethylbenzene - 100-41-4
Algae/aquatic plants 4.6 mg/L EC50 Pseudokirchneriella subcapitata 72 h 438 mg/L EC50 Pseudokirchneriella subcapitata 96 h 2.6 - 11.3 mg/L EC50 Pseudokirchneriella subcapitata 72 h 1.7 - 7.6 mg/L EC50 Pseudokirchneriella subcapitata 96 h
Fish 11.0 - 18.0 mg/L LC50 Oncorhynchus mykiss 96 h static 1 4.2 mg/L LC50 Oncorhynchus mykiss 96 h semi-static 1 7.55 - 11 mg/L LC50 Pimephales promelas 96 h flow-through 1 32 mg/L LC50 Lepomis macrochirus 96 h static 1 9.1 - 15.6 mg/L LC50 Pimephales promelas 96 h static 1 9.6 mg/L LC50 Poecilia reticulata 96 h static 1
Crustacea 1.8 - 2.4 mg/L EC50 Daphnia magna 48 h

Persistence and degradability: No information available

Bioaccumulative potential: No information available.

Mobility in soil No information available
Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:
Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:
Empty containers should be taken for local recycling, recovery or waste disposal

Component	CAS No	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Xylenes	1330-20-7	None	None	None	U239 ignitable waste
Ethylbenzene	100-41-4	None	None	None	None

14. TRANSPORT INFORMATION

DOT

UN-No:	UN1307
Proper Shipping Name:	Xylenes (Mixture)
Hazard Class	3
Subsidiary Class	No information available
Packing group:	III
Emergency Response Guide Number	No information available
Marine Pollutant	No data available
DOT RQ (lbs):	No information available
Special Provisions	No Information available
Symbol(s):	[DOT]: (R3) - Identifies a material that is a hazardous substance that has a reportable quantity (RQ) of 100 pounds (45.4 Kilograms).
Description:	UN1307,Xylenes (Mixture) ,3,,PG III

TDG (Canada)

UN-No:	UN1307
Proper Shipping Name:	Xylenes (Mixture)
Hazard Class	3
Subsidiary Risk:	No information available
Packing Group:	III
Marine Pollutant	No Information available
Description:	XYLENES,3,UN1307,PG III,Mixture

ADR

UN Number	UN1307
Proper Shipping Name:	Xylenes (Mixture)
Transport hazard class(es)	3
Packing group	III
Subsidiary Risk:	No information available
Description:	UN1307 Xylenes,3,III,Mixture

IMDG

UN-No:	UN1307
Proper Shipping Name:	Xylenes (Mixture)
Hazard Class:	3

Subsidiary Risk: No information available
Packing Group: III
Marine Pollutant No information available
EMS: F-E

RID

UN Number UN1307
Proper Shipping Name: Xylenes (Mixture)
Transport hazard class(es) 3
Subsidiary Risk: 3
Packing group III
Description: UN1307 Xylenes,3,III,RID,Mixture

ICAO (air)

UN-No: UN1307
Proper Shipping Name: Xylenes (Mixture)
Hazard Class 3
Subsidiary Risk: No information available
Packing Group: III
Description: Xylenes,3,UN1307,PG III,Mixture

IATA

UN Number UN1307
Proper Shipping Name: Xylenes (Mixture)
Transport hazard class(es) 3
Subsidiary Risk: No information available
Packing group III
Precautionary Statements - Response 3L
Special Provisions No information available
Description: UN1307,Xylenes,3,PG III,Mixture

15. REGULATORY INFORMATION

International Inventories

Component	CAS No	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	China IECSC	Australia (AICS)	EINECS-No.
Xylenes	1330-20-7	PresentACTIVE	Present KE-35427	Present	Present (3)-60,(3)-3	Present	Present	Present 215-535-7
Ethylbenzene	100-41-4	PresentACTIVE	Present KE-13532	Present	Present (3)-60,(3)-28	Present	Present	Present 202-849-4

U.S. Regulations

Xylenes

Massachusetts RTK: Present
New Jersey RTK Hazardous Substance List: 2014
New Jersey (EHS) List: 2014 500 lb TPQ
New Jersey - Discharge Prevention - List of Hazardous Substances: Present
Pennsylvania RTK: Environmental hazard
Pennsylvania RTK - Environmental Hazard List Present
Michigan - Critical Materials List: Present
Minnesota - Hazardous Substance List: Present
New York Release Reporting - List of Hazardous Substances:
1000 lb RQ
1 lb RQ
Louisana Reportable Quantity List for Pollutants: 100lbfinal RQ
45.4kgfinal RQ
California Directors List of Hazardous Substances: Present

Ethylbenzene

Massachusetts RTK: Present
New Jersey RTK Hazardous Substance List: 0851
New Jersey (EHS) List: 0851 500 lb TPQ
New Jersey - Discharge Prevention - List of Hazardous Substances: Present
Pennsylvania RTK: Environmental hazard
Pennsylvania RTK - Environmental Hazard List Present
Minnesota - Hazardous Substance List: Present
New York Release Reporting - List of Hazardous Substances:
1000 lb RQ
1 lb RQ
Louisana Reportable Quantity List for Pollutants: 1000lbfinal RQ
454kgfinal RQ
California Directors List of Hazardous Substances: Present

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

Chemicals Known to the State of California to Cause Cancer:

⚠WARNING: This product can expose you to chemicals including (see table below) which is (are) known to the State of California to cause cancer. For more information go to www.p65warnings.ca.gov.

Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Component	CAS No	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Xylenes	1330-20-7	Not Listed	Not Listed	Not Listed	Not Listed
Ethylbenzene	100-41-4	carcinogen	Not Listed	Not Listed	Not Listed

CERCLA/SARA

Component	CAS No	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
Xylenes	1330-20-7	100 lb final RQ 45.4 kg final RQ	None	None	None	1.0 % de minimis concentration
Ethylbenzene	100-41-4	1000 lb final RQ 454 kg final RQ	None	None	None	0.1 % de minimis concentration

U.S. TSCA

Component	CAS No	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Xylenes	1330-20-7	Not Applicable	Not Applicable
Ethylbenzene	100-41-4	Not Applicable	Not Applicable

Canada

WHIMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification .
Information:

Component
Xylenes
1330-20-7 (75-87)

WHMIS 2015 Hazard Classification
Flammable liquids - Category 3: H226 Flammable liquid and vapour.; Skin corrosion/irritation - Category 2: H315 Causes skin irritation.; Reproductive Toxicity - Category 2: H361 Suspected of damaging fertility or the unborn child.; Specific target organ toxicity - Single exposure - Category 3: H336 May cause drowsiness or dizziness.; Aspiration hazard - Category 1: H304 May be fatal if swallowed and enters airways.

Ethylbenzene 100-41-4 (13-25)	Flammable liquids - Category 2: H225 Highly flammable liquid and vapour.; 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.; Aspiration hazard - Category 1: H304 May be fatal if swallowed and enters airways.

Canada Hazardous Products Regulation This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

DSL/NDSL

Component	CAS No	Canada (DSL)	Canada (NDSL)
Xylenes	1330-20-7	Present	Not Listed
Ethylbenzene	100-41-4	Present	Not Listed

Component	CAS No	CEPA Schedule I - Toxic Substances
Xylenes	1330-20-7	Not listed
Ethylbenzene	100-41-4	Not listed
Component	CAS No	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Xylenes	1330-20-7	Not listed
Ethylbenzene	100-41-4	Not listed

EU Classification

EU GHS - SV - CLP 1272/2008

Component	CAS No	EU GHS - SV - CLP (1272/2008)
Xylenes	1330-20-7	Flammable liquids - Flam. Liq. 3: H226 Flammable liquid and vapour.; Acute toxicity - Dermal - Acute Tox. 4: H312 Harmful in contact with skin. (Minimum classification); Acute toxicity - Inhalation - Acute Tox. 4: H332 Harmful if inhaled. (Minimum classification); Skin corrosion/irritation - Skin Irrit. 2: H315 Causes skin irritation.601-022-00-9
Ethylbenzene	100-41-4	Flammable liquids - Flam. Liq. 2: H225 Highly flammable liquid and vapour.; Acute toxicity - Inhalation - Acute Tox. 4: H332 Harmful if inhaled. (Minimum classification); Specific target organ toxicity - Repeated exposure - STOT RE 2: H373 May cause damage to ears through prolonged or repeated exposure.; Aspiration hazard - Asp. Tox. 1: H304 May be fatal if swallowed and enters airways.601-023-00-4

EU - CLP (1272/2008)

R-phrase(s)
R10 - Flammable
R38 - Irritating to skin
R20/21 - Harmful by inhalation and in contact with skin

S -phrase(s)
S 2 - Keep out of the reach of children.

S25 - Avoid contact with eyes

Component	CAS No	**Classification**	**Concentration Limits:**	**Safety Phrases**
Xylenes	1330-20-7	R10 Xn; R20/21 Xi; R38	12.5%<=C Xn; R20/21	S2 S25
Ethylbenzene	100-41-4	F; R11 Xn; R20-48/20-65	No information	S2 S16 S24/25 S29

The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:
Flammable
Xn - Harmful
Xi - Irritant

16. OTHER INFORMATION

Preparation Date: 2/11/2014
Revision date 10/8/2019
Prepared by: Sonia Owen

Disclaimer:

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet