MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- **Product name: Xylene**
- **Manufacturer:** Deep South Chemical, Inc.
  229 Millstone Road
  Broussard, LA 70518 (337) 837-9931
- **For Emergency : Call CHEMTREC 1-800-424-9300**
  Outside the U.S.A. (703)-527-3887
- **Chemical Family:** Solvent
- **Contact Person:** Glenn Ray
- **Formula:** Xylene
- **MSDS Revised:** January 1, 2014

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

			PEL (OSHA)		TLV (ACGIH)		
Hazardous components	**CAS Number**	**%**	**TWA**	**STEL**	**TWA**	**STEL**	**IDLH**
Xylene	1330-20-7	79-82	100ppm	150ppm	100ppm	150ppm	900 ppm
Ethylbenzene	100-41-4	18-20	100ppm	125ppm	100ppm	125ppm	800 ppm (LEL)
Toluene	108-88-3	0.0-1.0	200ppm	150ppm	50ppm	150ppm	500 ppm

SECTION 3. HAZARDS IDENTIFICATION, INCLUDING EMERGENCY OVERVIEW

Effects of overexposure:

Inhalation: Inhalation of vapors may be irritating to the nose and throat. Inhalation of high concentrations may result in nausea, vomiting, headache, ringing in the ears, and severe breathing difficulties, which may be delayed in onset. Substernal pain, cough, and hoarseness are also reported. High vapor concentrations are anesthetic and central nervous system depressants.

Eye Contact: Vapors cause eye irritation. Splashes cause severe irritation, possible corneal burns, and eye damage.

Skin Contact: Irritating to skin. Toxic if absorbed through skin.

Ingestion: Irritation of the mouth, throat, and digestive tract. Minute amounts aspirated into the lungs can produce a severe hemorrhagic pneumonitis with severe pulmonary injury or death.

SECTION 4. FIRST AID MEASURES

Eyes: Move victim away from exposure and into fresh air. Seek medical attention. For direct exposure, flush with clean water for 15 minutes. Hold eyelids apart to ensure flushing of the entire eye surface.

Inhalation: Move victim away from source of exposure and into fresh air. If irritation persists, seek medical attention. If victim is not breathing, artificial respiration should be administered.

Skin: Remove contaminated clothes. Cleanse affected area thoroughly with soap and water. If irritation persists, seek medical attention. Wash contaminated clothing.

Ingestion: Drink plenty water. If victim is drowsy or unconscious, place on left side with head down. Seek medical attention. DO NOT INDUCE VOMITING.

DEEPSOUTH CHEMICAL

SECTION 5. FIRE FIGHTING MEASURES

Fire fighting measures: Use dry chemical, foam, or CO_2 to extinguish fire.

Special fire fighting procedures: Water spray to cool drums. Use NIOSH approved self contained breathing apparatus.

Explosive Properties:

LEL: 1.0

UEL: 6.6

SECTION 6. ACCIDENTAL RELEASE MEASURES

Steps to be taken if material is released or spilled: Soak up on absorbent, inert material. Use non-sparking type tools and equipment, including explosion proof ventilation. For large spills, dike area and place into suitable containers. Containers should be bonded and grounded for transfers to avoid static sparks. Do not allow to enter drains or waterways. Wear respirator and protective clothing as appropriate. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, sparks, flame, static electricity or other sources of ignition: they may explode and cause injury or death.

Waste disposal method: Dispose of according to local, state and federal regulations in an approved disposal facility or recycling facility.

SECTION 7. HANDLING AND STORAGE

Storage: Keep container tightly closed when not in use. Store in dry place. Ensure adequate air circulation. Avoid strong oxidizing agents. Avoid potential sources or ignition.

Handling: Avoid contact with skin or eyes. When handling do not eat, drink or smoke. Prevent static buildup and discharge. Keep away from potential sources of ignition.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits.

Personal respirators(NIOSH Approved): If the exposure limit is exceeded, a half-face organic vapor respirator may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece organic vapor respirator may be worn up to 50 times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Protective clothing: Impermeable gloves and impervious clothing as appropriate to prevent skin contact.

Eye protection: Chemical goggles and/or a full face shield where splashing may occur.

Special Protection: Safety shower, eye bath and washing facilities should be available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Specific gravity @ 60°F (H_2O = 1): 0.87

Flash Point: 80°F

Viscosity @ 77°F: 0.7cps

Vapor density (Air = 1): 3.7

Solubility: Insoluble in water

Vapor pressure @ 68°F: 5.1 mm Hg

Evaportaion Rate: 0.86 (N-Butyl Acetate)

Apperance: Clear, colorless liquid

Freezing Point: -54°F

Odor: Light Aromatic

Boiling Point: 279°F

Percent Volatile by Volume @ 70°F: 100
pH: N/D
Auto-ignition: 980°F

SECTION 10. STABILITY AND REACTIVITY

Stability and Reactivity: Stable in normal conditions.
Incompatibility/Materials: Strong oxidizing agents and strong acids.
Hazardous Decomposition Products: Smoke, carbon oxides, and unidentified organic components.
Hazardous polymerization: Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicological Data:
Xylenes: investigated as a reproductive effector.
Mixed Xylenes: Oral rat LD50: 4300mg/kg; Inhalation rat LC50: 5000ppm/4H; skin rabbit LD50:>1700 mg/kg; Irritatioin, skin rabbit: 500 mg/24-hour, moderate (Standard Draize); Irritation, eye rabbit 87 mg, mild (Standard Draize). Investigated as a tumorigen, mutagen, and reproductive effector.
Reproductive Toxicity:
May cause teratogenic effects.

SECTION 12. ECOLOGICAL INFORMATION

Environmental Fate:
When released into the soil, this material may evaporate to a moderate extent. When released into the soil, this material is expected to leach into groundwater. When released into the soil, this material may biodegrade to a moderate extent. When released into water, this material may evaporate to a moderate extent. When released into water, this material may biodegrade to a moderate extent. When released into the air, this material may be moderately degraded by a reaction with photochemically produced hydroxyl radicals. When released into the air, this material is expected to have a half-life of less than 1 day. This material is not expected to significantly bioaccumulate. (mixed xylenes: octanol/water partition coefficient 3.1-3.1; bioconcentration factor=1.3, eels)
Environmental Toxicity:
This material is expected to be slightly toxic to aquatic life. The LC50/96-hour values for fish are between 10 and 100 mg/l.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal of waste materials: Dispose of in compliance with local regulations.
Disposal of waste containers: Recycle, clean out residues.
Disposal restrictions: Comply with local regulations.

SECTION 14. TRANSPORT INFORMATION

Shipping Name: **UN 1307, Xylenes, 3, PGIII RQ 100(45.4)**
Label: **Flammable**

SECTION 15. REGULATORY INFORMATION

Toxic Substances Control Act (TCSA): All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

CERCLA RQ-40 CFR 302.4(a)

Component	CERCLA RQ (lbs)
Xylene(O-, M-, P- Isomers)	100
Ethylbenzene	1000
Toluene	1000

SARA 302 Components-40 CFR 355 Appendix A

Component	TPQ(Threshold Planning Quantity) (lbs)
None	

Section 311/312 Hazard Class-40 CFR 370.2

Immediate (X**)**
Delayed (X**)**
Fire (X**)**
Reactive ( )
Sudden Release of Pressure ( )

SARA 313-40 CFR 372.65

Component	CAS Number	%(by weight)
Xylene (Mixed Isomers)	**1330-20-7**	**100**
Ethylbenzene	**100-41-4**	**20**
Toluene	**108-88-3**	**1**

SECTION 16. OTHER INFORMATION

NFPA RATING: Health (2) Fire (3) Reactivity (0)

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