MATERIAL SAFETY DATA SHEET

(MSDS Sheet is in compliance with 29CFR 1910. 1200)

IMEB INC.
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San Marcos, CA 92069
Chemtrec: 800-424-9300

CAT #: XY-110

Product Name: Xylene
SDS#: EQ297165

Section I: Chemical Product And Company Information

Product Name: Xylene
Chemical Name: Mixed Xylenes [limited paraxylene content], Ethylbenzene
Chemical Family: Aromatic Hydrocarbon CAS: 1330-20-7 and 100-41-4
Product Description: Aromatic odor. Clear, colorless liquid.

Section II: Composition / Information On Ingredients

The composition of this mixture may be proprietary information. In the event of a medical emergency, compositional information will be provided to a physician or nurse.

This product is hazardous as defined in 29 CFR1910.1200, based on the following compositional information:

OSHA HAZARD	COMPONENT
Flammable	Xylenes; Ethylbenzene
OSHA PEL; ACGIH TLV	Xylenes; Ethylbenzene
Eye Irritant	Xylene

Section III: Hazards Identification

POTENTIAL HEALTH EFFECTS

EYE CONTACT: Irritating, but does not injure eye tissue.

SKIN CONTACT: Frequent or prolonged contact may irritate. Low order of toxicity. Occasional brief contact with the liquid will not result in significant irritation unless evaporation is impeded. Skin contact may aggravate an existing dermatitis condition.

INHALATION: High vapor / aerosol concentrations [greater than approximately 1000ppm] are irritating to the eyes and respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death. Negligible hazard at ambient temperature [-18 to 38 Deg C; 0 to 100 Deg F]

INGESTION: Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death. Low order of toxicity.

Section IV: First Aid Measures

EYE CONTACT: Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

SKIN CONTACT: Flush with large amounts of water; use soap if available. Remove grossly contaminated clothing, including shoes, and launder before reuse.

IHALATION: Using proper respiratory protection, immediately remove the affected victim from exposure. Administer

artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

INGESTION: If swallowed, DO NOT induce vomiting. Keet at rest. Get prompt medical attention.

Section V: Fire-Fighting Measures

FLASHPOINT	81 Deg F. METHOD: TCC	NOTE: Minimum
FLAMMABLE LIMITS:	LEL: 1.9 UEL: 12.3 @ 77 Deg F.	NOTE: Approximate
AUTOIGNITION TEMPERATURE:	932 Deg F.	NOTE: Approximate

GENERAL HAZARD: Flammable Liquid, can release vapors that form flammable mixtures at temperatures at or above the flashpoint. Toxic gases will form upon combustion. Static Discharge, material can accumulate static charges which can cause an incendiary electrical discharge. “Empty” containers retain product residue [liquid and / or vapor] and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

FIRE FIGHTING: Use water spray to cool fire exposed surfaces and to protect personnel. Shut off “fuel” to fire. If a leak or spill has not ignited, use water spray to disperse the vapors. Use foam or dry chemical to extinguish fire. Respiratory and eye protection required for fire fighting personnel. Avoid spraying water directly into storage containers due to danger of boilover. This liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS: Fumes, smoke, and carbon monoxide.

Section VI: Accidental Release Measures

LAND SPILL: Eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without hazard. For small spills implement cleanup procedures; for large spills implement cleanup procedures and, if in public area, keep public away and advise authorities. Also, if this product is subject to CERCLA reporting [see Section VII] notify the National Response Center. Prevent liquid from entering sewers, watercourses, or low areas. Contain spilled liquid with sand or earth. Do not use combustible materials such as sawdust. Recover by pumping [use an explosion proof or hand pump] or with a suitable absorbent. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

WATER SPILL: Eliminate sources of ignition. Warn occupants and shipping in surrounding and downwind areas of fire and explosion hazard and request all to stay clear. Remove from surface by skimming or with suitable adsorbents. If allowed by local authorities and environmental agencies, sinking and / or suitable dispersants may be used in con-confined waters. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

Section VII: Storage And Handling

ELECTROSTATIC ACCUMULATION HAZARD: Yes, use proper grounding procedure.

STORAGE TEMPERATURE, DEG F: Ambient.

LOADING / UNLOADING TEMPERATURE, DEG F; Ambient.

STORAGE / TRASPORT PRESSURE, MMHG: Atmospheric.

LOADING / UNLOADING VISCOCITY, cST: 0.7

STORAGE AND HANDLING: Keep container closed. Handle and open containers with care. Store in a cool, well ventilated place away from incompatible materials. Do NOT handle or store near and open flame, heat or other sources of ignition. Protect material from direct sunlight. Material will accumulate static charges which may cause an electrical spark [ignition source]. Use proper grounding procedures. Do NOT pressurize, cut, heat or weld containers. Empty product containers may contain product residue. Do NOT reuse empty containers without commercial cleaning or reconditioning.

Section VIII: Exposure Controls / Personal Protection

EXPOSURE CONTROLS: The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be stored and handled in a lab hood. Provide mechanical ventilation of confined spaces. See respiratory protection recommendations. Use explosion-proof ventilation equipment.

PERSONAL PROTECTION: For open systems where contact is likely, wear safety glasses with side shields, long sleeves, and chemical resistant gloves. Where contact may occur, wear safety glasses with side shields. Where concentrations in air may exceed the limits given in this Section and engineering, work practice or other means of exposure reduction are not adequate, NIOSH / MSHA approved respirators may be necessary to prevent overexposure by inhalation.

WORKPLACE EXPOSURE GUIDELINES: OSHA REGULATION 29CFR1910.1000 RQUIRES THE FOLLOWING PERMISSIBLE EXPOSURE LIMITS:
A TWA of 100 ppm [435 mg/m3] and a STEL of 150 ppm [655 mg/m3] for Xylenes.
A TWA of 100 ppm [435 mg/m3] and a STEL of 125 ppm [545 mg/m3] for Ethyl Benzene.

The recommended permissible exposure levels indicated above reflect the levels revised by OSHA in 1989 or in subsequent regulatory activity. Although the 1989 levels have since been vacated by the Circuit Court of Appeals, Exxon Chemicals recommends that the lower exposure levels be observed as reasonable worker protection.

THE ACGIH RECOMMENDS THE FOLLOWING THRESHOLD LIMIT VALUES:
A TWA of 100 ppm [434 mg/m3], and a STEL of 150 ppm [651 mg/m3] for Xylene.
A TWA of 100 ppm [434 mg/m3], and a STEL of 125 ppm [543 mg/m3] for Ethyl Benzene.

Section IX: Physical And Chemical Properties

SPECIFIC GRAVITY:	0.87 at 60
SOLUBILITY IN WATER, WT. % AT Deg F:	0.02 at 77 Calculated
VISCOCITY OF LIQUID, CST AT Deg F:	0.7 at 77 Approximate
SP. GRAV. OF VAPOR, at 1 atm [Air=1]:	3.70 Calculated
FREEZING / MELTING POINT, Deg F:	-31
EVAPORATION RATE, n-Bu Acetate=1:	1.8 Approximate
BOILING POINT, Deg F:	282 to 286

Section X: Stability And Reactivity

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID INSTABILITY: Not Applicable

MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY: Strong oxidizing agents, concentrated nitric and sulphuric acids, halo and molten sulphur. Temperatures above ambient.

HAZARDOUS DECOMPOSITION PRODUCTS: None

Section XI: Toxicological Information

PLEASE CALL THE NON-EMERGENCY TELEPHONE NUMBER ON PAGE 1 IF INFORMATION IS REQUIRED.

Section XII: Ecological Information

PLEASE CALL THE NON-EMERGENCY TELEPHONE NUMBER ON PAGE 1 IF INFORATION IS REQUIRED.

Section XIII: Disposal Considerations

PLEASE REFER TO SECTIONS V, VI, AND XV FOR DISPOSAL AND REGULATORY INFORMATION.

Section XIV: Transport Information

DEPARTMENT OF TRANSPORTATION [DOT]: DOT SHIPPING DESCRIPTION; XYLENES SOLUTION, 3, UN1307, III

Section XV: Regulatory Information

TSCA: Components of this product are listed on the TSCA Inventory.

CERCLA: This product, as sold, is derived from a fraction of crude oil and is excluded from the spill reporting requirements by CERCLA Section 101(14)(F). When this product is used in a mixture or as an ingredient in another product or in a manufacturing operation, the petroleum exclusion may terminate and an accidental spill may require reporting to the National Response Center at 800-424-8802. This product contains approximately 85% of Xylene. The RQ for Xylene is 1000 pounds. This product contains approximately 15% of Ethylbenzene. The RQ for Ethylbenzene is 1000 pounds.

SARA TITLE III: Under the provisions of Title III, Sections 311 / 312 of the Superfund Amendments and Reauthorization Act, this products is classified into the following hazard categories: Immediate health, Delayed health, Fire.
This information may be subject to the provisions of the Community Right-To-Know Reporting Requirements [40 CFR 370] if threshold quantity criteria are met.
This product contains the following Section 313 Reportable Ingredients:

COMPONENT	CAS #	MAX %
Xylene	1330-20-7	85.0
Ethyl Benzene	100-41-4	15.0

Section XVI: Other Information

HAZARD RATING SYSTEMS: This information is for people trained in:
National Paint & Coatings Association's [NPCA]
Hazardous Materials Identification System [HMIS]
National Fire Protection Association [NFPA 704]
Identification of the Fire Hazards of Materials

	NPCA-HMIS	NFPA 704	Key
HEALTH	2	2	4 = Severe
FLAMMABILITY	3	3	3 = Serious
REACTIVITY	0	0	2 = Moderate
			1 = Slight
			0 = Minimal

REVISION SUMMARY: This MSDS replaces previously issued MSDS'S and is compliant ANSI Z400.1-1993