

XYLENES

AAPER MSDS NUMBER: X100

EFFECTIVE DATE: MAY 12, 2003

AAPER Alcohol and Chemical Company
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For chemical emergency – spill, leak, fire, exposure, or accident, call CHEMTREC at 1-800-424-9300 day or night. Outside the continental United States, call CHEMTREC at 1-703-527-3887 (collect calls accepted).

AAPER Alcohol and Chemical Company urges the customer receiving this Material Safety Data Sheet (MSDS) to study it carefully to become aware of hazards, if any, of the product involved. In the interest of safety, you should: (1) notify your employees, agents, and contractors of the information on this sheet, and (2) furnish a copy to each of your customers to inform their employees and customers as well.

SECTION I – IDENTIFICATION

PRODUCT NAME: Xylenes
 SYNONYMS: Dimethylbenzene; Xylol
 FORMULA: C₆H₄(CH₃)₂
 MOLECULAR WT.: 106.17

Section II – INGREDIENTS

<u>COMPOSITION</u>	<u>CAS RN.</u>	<u>NOMINAL %</u>	<u>PEL/TLV</u>	<u>HAZARD</u>
Xylenes (Mixed)	1330-20-7	100	100 ppm	Flammable/irritant
Ethyl Benzene	100-41-4	0-15		

Note: Xylenes contain ethyl benzene (100-41-4). Ethyl benzene is subject to the reporting requirements of Section 313 of SARA Title III.

SECTION III – HEALTH INFORMATION

INHALATION: Exposure to over 100 ppm may cause headache, nausea, vomiting, breathing difficulties, and affect central nervous system.

INGESTION: Causes burning sensation in mouth and stomach, nausea and vomiting. Aspirated xylene may cause lung damage and present a significant hazard.

EYE CONTACT: Liquid or vapor may cause irritation and injury to the eye.

SKIN CONTACT: May cause irritation and prolonged or repeated contact may result in a characteristic dermatitis.

SECTION IV – EMERGENCY FIRST AID PROCEDURE**FOR OVEREXPOSURE BY:**

SWALLOWING: Aspiration hazard. If swallowed, get immediate medical attention. Vomiting may occur spontaneously, but **DO NOT INDUCE**. If vomiting occurs, keep head below hips to prevent aspiration into lungs.

INHALATION: Immediately remove victim to fresh air. If victim has stopped breathing, give artificial respiration, preferably mouth-to-mouth. **GET MEDICAL ATTENTION IMMEDIATELY.**

CONTACT WITH EYES OR SKIN: Immediately flush affected area with plenty of cool water. Eyes should be flushed for at least 15 minutes. Remove and wash contaminated clothing before reuse. **GET MEDICAL ATTENTION IMMEDIATELY.**

SECTION V – PHYSICAL DATA

BOILING POINT: 279° F
 MELTING POINT: -13° F
 VAPOR PRESSURE: 8 mm Hg @ 68° F
 SPECIFIC GRAVITY: 0.86
 VAPOR DENSITY (AIR = 1): 3.7
 SOLUBILITY IN WATER: Less than 0.10% at 68° F
 APPEARANCE AND COLOR: Clear, colorless liquid with aromatic odor

SECTION VI – FIRE AND EXPLOSIVE HAZARDS

FLASH POINT: 76° F (Tag Closed Cup)
FLAMMABLE LIMITS IN AIR, % BY VOLUME: LOWER: 1.0 UPPER: 7.0
NFPA (National Fire Protection Association) RATING: HEALTH (2) FIRE (3) REACTIVITY (0)

FIRE FIGHTING PROCEDURES: (Note: Individuals should perform only those fire-fighting procedures for which they have been trained.) Use dry chemical, "alcohol" foam, or carbon dioxide; water may be ineffective, but water should be used to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to protect men attempting to stop a leak.

UNUSUAL FIRE & EXPLOSION HAZARDS: Firefighters should wear self-contained breathing apparatuses in the positive pressure mode with a full face piece when there is a possibility of exposure to smoke, fumes, or hazardous decomposition products. Vapors can flow along surfaces to distant ignition sources and flash back.

SECTION VII – REACTIVITY

STABILITY: Stable under ordinary conditions of use and storage.
HAZARDOUS POLYMERIZATION: Not likely.
CONDITIONS & MATERIALS TO AVOID: Strong oxidizers, heat and sources of ignition.

SECTION VIII – EMPLOYEE PROTECTION

CONTROL MEASURES: Handle in the presence of adequate ventilation.
RESPIRATORY PROTECTION: Where exposure is likely to exceed acceptable criteria, use NIOSH/MSHA approved respiratory protection equipment. Respirators should be selected based on the form and concentration of contaminant in air and in accordance with OSHA (29 CFR 1910.134).
PROTECTIVE CLOTHING: Wear gloves and protective clothing which are impervious to the product for the duration of the anticipated exposure if there is potential for prolonged or repeated skin contact.
EYE PROTECTION: Wear safety glasses meeting the specifications of ANSI Standard Z87.1 where no contact with the eye is anticipated. Chemical safety goggles meeting the specifications of ANSI Standard Z87.1 should be worn whenever there is the possibility of splashing or other contact with the eyes.

SECTION IX – ENVIRONMENTAL PROTECTION

ENVIRONMENTAL PRECAUTIONS: Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented.
SPILL OR LEAK PROCEDURES: Wear appropriate respiratory protection and protective clothing as described in Section IX. Contain spilled material, collect using absorbent media. Transfer to secure containers. In the event of an uncontrolled release of this product, the user should determine if the release is reportable under applicable laws and regulations.
WASTE DISPOSAL: All recovered material should be packaged, labeled, transported, and disposed of, or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices.

SECTION X – REGULATORY CONTROLS

DEPARTMENT OF TRANSPORTATION (DOT):
DOT CLASSIFICATION: 3 (Flammable Liquid)
DOT PROPER SHIPPING NAME: Xylenes
OTHER DOT INFORMATION: Identification No. UN1307
P.G. III
Emergency Response Guide No. 130
TOXIC SUBSTANCE CONTROL ACT (TSCA): This product is listed in the TSCA Inventory of Chemical Substances.

SECTION XI – PRECAUTIONS: HANDLING, STORAGE, AND USAGE

Protect container against physical damage. Detached or outside storage is preferred. Inside storage should be in an NFPA approved flammable liquid storage room or cabinet. All ignition sources should be eliminated. Smoking should be prohibited in the storage and usage areas. Electrical installations should be in accordance with Article 501 of the National Electrical Code. NFPA 30, Flammable and Combustible Liquids Code, should be followed for all storage and handling. Frequent careful leakage inspections should be done. An automatic sprinkler system should be provided. Isolate from oxidizers, chemicals capable of spontaneous heating, materials reacting with air or moisture to liberate heat, ignition sources and explosives. Consult local fire codes for additional storage information. When contents are being transferred, containers must be bonded together and grounded to avoid static discharges. Never use pressure to empty. Replace closure securely after each opening. Keep material packaged in drums or bottles out of sun and away from heat. Remove closure carefully; internal pressure may be present. Keep closure on to prevent leakage. Container hazardous when empty. Since emptied containers retain residual product (vapor and liquid), all precautions described on this MSDS must be observed.

CAUTION: For manufacturing, processing, repackaging, or industrial use. Not for household use.

SECTION XII – SARA TITLE III

Components present in this product at a level that could require reporting under the statute (section 313) are:

<u>Chemical</u>	<u>CAS Number</u>
Xylenes	1330-20-7
Ethyl Benzene	100-41-4

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must conduct testing and/or make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.