
M A T E R I A L S A F E T Y D A T A S H E E T

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SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME : XYLENE
IDENTIFICATION NUMBER: RES4510
PRODUCT USE/CLASS :

DATE PRINTED: 05/14/97

SUPPLIER:
Clearwater, Inc.

5605 Grand Avenue
Pittsburgh, PA 15225

MANUFACTURER:
Clearwater, Inc.

5605 Grand Avenue
Pittsburgh, PA 15225

EMERGENCY CONTACT: CHEMTREC
U.S. TELEPHONE: 800-424-9300

EMERGENCY CONTACT: CHEMTREC
INT'L. TELEPHONE: 703-527-3887

PREPARER: MJW, PHONE: 412-264-1100, PREPARE DATE: 05/14/97

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SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

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ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % LESS THAN
01	Xylene	1330-20-7	100.0 %

ITEM	EXPOSURE LIMITS						SKIN
	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING	COMPANY TLV-TWA		
01	100 ppm	150 ppm	100 ppm	N.E.	N.E.	NO	

(See Section 16 for abbreviation legend)

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SECTION 3 - HAZARDS IDENTIFICATION

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*** EMERGENCY OVERVIEW ***: Harmful if swallowed. Causes eye irritation. Flammable liquid and vapor. Vapors may cause flash fire or explosion. May cause flash fire or explosion.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Liquid, aerosols and vapors of this product may be irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: May cause skin irritation. Allergic reactions are possible. May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material.

EFFECTS OF OVEREXPOSURE - INHALATION: Headaches, dizziness, nausea,

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SECTION 3 - HAZARDS IDENTIFICATION

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decreased blood pressure, changes in heart rate and cyanosis may result from over-exposure to vapor or skin exposure.

EFFECTS OF OVEREXPOSURE - INGESTION: This material may be harmful or fatal if swallowed.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: No Information.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT INHALATION EYE CONTACT

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SECTION 4 - FIRST AID MEASURES

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FIRST AID - EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention, if irritation persists.

FIRST AID - SKIN CONTACT: Remove contaminated clothing. Wash skin with soap and water. Get medical attention. Wash contaminated clothing before reuse.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

FIRST AID - INGESTION: If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

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SECTION 5 - FIRE FIGHTING MEASURES

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FLASH POINT: 76 F
(TAGLIABUE CLOSED CUP)

LOWER EXPLOSIVE LIMIT: 1.0 %
UPPER EXPLOSIVE LIMIT: 6.6 %

AUTOIGNITION TEMPERATURE: NA

EXTINGUISHING MEDIA: CO2 DRY CHEMICAL FOAM WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors can travel to a source of ignition and flash back. Flammable Liquid. Can release vapors that form explosive mixtures at temperatures at or above the flashpoint. "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.

SPECIAL FIREFIGHTING PROCEDURES: Containers can build up pressure if exposed to heat (fire). As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full

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SECTION 5 - FIRE FIGHTING MEASURES

protective gear. Apply alcohol-type foam or all purpose foam by manufacturers recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Avoid runoff into storm sewers and ditches. Wear a self-contained breathing apparatus and appropriate personal protective equipment. (See Exposure Controls/Personal Protection Section) Spilled material should be contained and disposed of properly. Extinguish any possible ignition source until the area is determined to be free from fire or explosion hazard. Evacuate area.

SECTION 7 - HANDLING AND STORAGE

HANDLING: Wash thoroughly after handling.

STORAGE: Keep away from heat, sparks and flame. Keep container closed when not in use. Store in a cool, dry, well ventilated place away from incompatible materials.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

RESPIRATORY PROTECTION: A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

SKIN PROTECTION: Where contact is likely, wear chemical resistant gloves, rubber boots, and chemical safety goggles plus a face shield.

EYE PROTECTION: Wear safety glasses with side shields (or goggles) and a face shield.

OTHER PROTECTIVE EQUIPMENT: Where splashing is possible, full chemically resistant protective clothing (e.g. acid suit) and boots are required. Emergency eyewash stations and deluge showers should be available in the work area.

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SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

HYGIENIC PRACTICES: Wash hands before eating. Use only in a well ventilated area. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE	: 279 - 289 F	VAPOR DENSITY	: Is heavier than air
ODOR	: NA	ODOR THRESHOLD	: NA
APPEARANCE	: CLEAR LIQUID	EVAPORATION RATE	: Is slower than Butyl Acetate
SOLUBILITY IN H2O	: NA	SPECIFIC GRAVITY	: 0.8765
FREEZE POINT	: NA	pH @ 0.0 %	: NA
VAPOR PRESSURE	: 22 mmHg @69 (F)	VISCOSITY	: NA
PHYSICAL STATE	: LIQUID		
COEFFICIENT OF WATER/OIL DISTRIBUTION: NA			

(See Section 16 for abbreviation legend)

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SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: No Information.

INCOMPATIBILITY: Avoid contact with strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide which can act as an asphyxiant. Carbon monoxide which is toxic if inhaled.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

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SECTION 11 - TOXICOLOGICAL PROPERTIES

No product or component toxicological information is available.

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SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No Information.

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SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Consult local, state or federal regulatory agencies for acceptable disposal procedures and disposal locations. Disposal in streams or sewers may be prohibited by federal, state, and local regulations.

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Product: XYLENE

Preparation Date: 05/14/97

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SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: XYLENE, (RQ-100 Lbs.)

DOT TECHNICAL NAME: XYLENE

DOT HAZARD CLASS: 3

HAZARD SUBCLASS: NA

DOT UN/NA NUMBER: UN 1307

PACKING GROUP: II

RESP. GUIDE PAGE: 130

SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

FIRE HAZARD

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

CHEMICAL NAME	CAS NUMBER	WT/WT % IS LESS THAN
Aromatic Hydrocarbon	1330-20-7	100.0 %

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

SECTION 16 - OTHER INFORMATION

HMIS RATINGS - HEALTH: 2 FLAMMABILITY: 4 REACTIVITY: 0

PREVIOUS MSDS REVISION DATE: 05/14/97

LEGEND: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

<END OF MSDS>