

SAFETY DATA SHEET

P-XYLENE

FILE NO.:

DATE: 09/27/2024

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: p-Xylene
SYNONYMS: p-Methyltoluene
PRODUCT CODES: SLX1120

MANUFACTURER: Absolute Concrete Products
DIVISION:
ADDRESS: 144 S. Main St. Union, OR 97883

EMERGENCY PHONE: 1-800-535-5053 (24 Hour)
INFOTRAC PHONE: +1-352-323-3500 or 1-800-535-5053
OTHER CALLS: (541) 562-2000

SECTION 2: HAZARDS IDENTIFICATION

ROUTES OF ENTRY:

Eye contact

ACUTE HEALTH HAZARDS:

Very hazardous in case of skin contact (irritant), of eye contact (irritant). Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

CHRONIC HEALTH HAZARDS:

Hazardous in case of skin contact (irritant), of eye contact (irritant). Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation. CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to blood, kidneys, the nervous system, liver. Repeated or prolonged exposure to the substance can produce target organs damage.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:

{p-}Xylene

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
106-42-3	100		

SECTION 4: FIRST AID MEASURES

EYES:

Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

SKIN:

After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

After serious contact with skin, wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

INGESTION:

Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

INHALATION:

Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: 7%
(% BY VOLUME) LOWER: 1.1%

FLASH POINT:	Closed Cup	Open Cup
F:	77	84
C:	25	28.9

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AUTOIGNITION TEMPERATURE:

F: 980.6

C: 527

PRODUCTS OF COMBUSTION:

These products are carbon oxides (CO, CO₂).

EXTINGUISHING MEDIA:

Flammable liquid, insoluble in water. **SMALL FIRE:** Use DRY chemical powder. **LARGE FIRE:** Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, auto-ignition or explosion.

SPECIAL FIRE FIGHTING PROCEDURES:

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Highly flammable in presence of open flames and sparks, of heat.

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

SECTION 5 NOTES:

Explosive in the form of vapor when exposed to heat or flame. Vapor may travel considerable distance to source of ignition and flash back. When heated to decomposition it emits acrid smoke and irritating fumes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:

Small Spill:

Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:

Toxic flammable liquid, insoluble or very slightly soluble in water. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the SDS and with local authorities.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE:

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. A refrigerated room would be preferable for materials with a flash point lower than 37.8°C (100°F).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

RESPIRATORY PROTECTION:

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

EYE PROTECTION:

Splash goggles

SKIN PROTECTION:

Gloves

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Lab coat

EXPOSURE GUIDELINES:

TWA: 100 STEL: 150 (ppm) from ACGIH (TLV) TWA: 434 STEL: 651 (mg/m³) from ACGIH Consult local authorities for acceptable exposure limits.

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SECTION 8 NOTES:

Personal Protection in Case of a Large Spill: Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Colorless.

ODOR:

Not available.

PHYSICAL STATE:

Liquid

ODOR THRESHOLD:

0.62 ppm

pH AS SUPPLIED: Not applicable

BOILING POINT:

F: 280.4

C: 138

MELTING POINT:

F: 53.6

C: 12

VAPOR PRESSURE (mmHg):

9

F:

C: 20

VAPOR DENSITY (AIR = 1):

3.7

SPECIFIC GRAVITY (H₂O = 1):

0.86

SOLUBILITY:

Easily soluble in methanol, diethyl ether. Insoluble in cold water, hot water.

SECTION 10: STABILITY AND REACTIVITY

STABLE

X

UNSTABLE

STABILITY:

The product is stable.

CONDITIONS TO AVOID (STABILITY):

Reactive with oxidizing agents.

HAZARDOUS POLYMERIZATION:

No information

SECTION 10 NOTES:

Non-corrosive in presence of glass.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICITY TO ANIMALS:

WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 5000 mg/kg [Rat.]. Acute dermal toxicity (LD50): 12400 mg/kg [Rabbit.]. Acute toxicity of the vapor (LC50): 4550 ppm 4 hour(s) [Rat].

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TOXIC EFFECTS ON HUMANS:

Very hazardous in case of skin contact (irritant). Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation. 0347 Animal: embryotoxic, foetotoxic, passes through the placental barrier. 0900 Detected in maternal milk in human. Narcotic effect; may cause nervous system disturbances.

SECTION 11 NOTES:

The substance is toxic to blood, kidneys, the nervous system, liver.

SECTION 12: ECOLOGICAL INFORMATION

PRODUCTS OF BIODEGENERATION:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

SPECIAL REMARKS ON THE PRODUCTS OF BIODEGENERATION:

Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

SECTION 13 NOTES:

No information

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Xylene
HAZARD CLASS: Class 3: Flammable liquid.
ID NUMBER: UN1307
PACKING GROUP: PG: III

SECTION 15: REGULATORY INFORMATION

Federal and State Regulations:

Pennsylvania RTK: p-Xylene Florida: p-Xylene Massachusetts RTK: p-Xylene New Jersey: p-Xylene TSCA 8(b) inventory: p-Xylene SARA 313 toxic chemical notification and release reporting: p-Xylene CERCLA: Hazardous substances.: p-Xylene

Other Regulations:

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

WHMIS (Canada):

CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):

R10- Flammable. R38- Irritating to skin. R41- Risk of serious damage to eyes. R48/20- Harmful: danger of serious damage to health by prolonged exposure through inhalation.

SECTION 16: OTHER INFORMATION

DISCLAIMER:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.