

# MATERIAL SAFETY DATA SHEET

Western Environmental Services, Inc.  
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GENERAL INFORMATION NUMBER: (602) 234-8873

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## I - Product Identification

### Uni-Seal

PRODUCT CODE: 0124

CHEMICAL FORMULATION: Epoxy ester floor sealer.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2

FLAMMABILITY: 2

REACTIVITY: 0

HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

## II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR:			CAS #
				302	355	372	
Xylene	10.0-20.0	100 ppm	100 ppm	Y	N	Y	1330-20-7
Mineral spirits	55.0-65.0	100 ppm	100 ppm	N	N	N	8052-41-3

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit  
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No  
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).  
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).  
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

## III - Physical Data

BOILING POINT (°F): N/D

SPECIFIC GRAVITY (WATER = 1): 0.857

VAPOR PRESSURE (mm Hg): N/D

VOC CONTENT (% by weight): 70.0-80.0

VAPOR DENSITY (AIR = 1): N/D

EVAPORATION RATE (WATER = 1): > 1.0

SOLUBILITY IN WATER: Insoluble

pH: N/A

APPEARANCE AND ODOR: Clear, amber liquid; characteristic solvent odor.

## IV - Fire and Explosion Hazard Data

FLASH POINT (°F): 104

(TEST METHOD): Closed cup

FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: N/D LOWER: N/D

EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool fire-exposed containers. Firefighters must use full protective gear and self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: Solvent vapors may cause flashback. Vapors are heavier than air and may travel along the ground or be moved by ventilation.

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**V - Reactivity Data**

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**STABILITY:** Stable

**INCOMPATIBILITY:** Strong oxidizing agents.

**CONDITIONS TO AVOID:** Heat or open flame.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may yield thick smoke, irritating fumes and oxides of carbon.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** None

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**VI - Health Hazard Data**

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**ROUTES OF ENTRY INHALATION:** X      **EYE CONTACT:** X      **SKIN CONTACT:** X      **INGESTION:** X

**INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS:** None.

**EFFECTS OF OVEREXPOSURE**

**IF IN EYES:** Severe irritation and redness, tearing, blurred vision.

**IF ON SKIN:** Moderate irritation with prolonged contact.

**IF SWALLOWED:** Gastrointestinal irritation, nausea, vomiting, harmful if swallowed.

**IF INHALED:** Respiratory tract irritation, nausea, vomiting, harmful if swallowed.

**EMERGENCY AND FIRST AID PROCEDURES**

**IF IN EYES:** Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. Obtain medical attention.

**IF ON SKIN:** Remove contaminated clothing and laundry separately before re-use. Wash with soap and water.

**IF SWALLOWED:** Contact physician or poison control center immediately. Do not induce vomiting unless told to do so by a poison control center or doctor.

**IF INHALED:** Remove person to fresh air. If breathing has stopped administer artificial respiration. Obtain medical attention.

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**VII - Spill or Leak Protection**

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**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Contain spill. Ventilate area and extinguish all sources of ignition. Soak up on inert absorbent material and place in labeled closed container for disposal.

**WASTE DISPOSAL METHOD:** Consult local environmental authorities.

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**VIII - Special Protection Information**

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**RESPIRATORY PROTECTION:** Use with adequate ventilation. If recommended Exposure Limits are exceeded wear a NIOSH approved respirator, following manufacturer's recommendations.

**VENTILATION**

**LOCAL:** Recommended

**MECHANICAL:** Not required

**PROTECTIVE GLOVES:** Chemical resistant.

**EYE PROTECTION:** Goggles and/or face shield.

**OTHER PROTECTIVE EQUIPMENT:** Eye wash station. Protective clothing.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool, dry place away from heat or open flame.

Wash thoroughly after handling. Keep container tightly closed when not in use.

**OTHER PRECAUTIONS:** Keep out of reach of children. Do not cut or weld on empty container as they may contain flammable residues.

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**IX - Transportation Information (ground transportation only)**

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**DOT PROPER SHIPPING NAME:** None.

**DOT CLASS:** None

**DOT ID NUMBER:** None

**DOT PACKING GROUP:** None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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