

MATERIAL SAFETY DATA SHEET

Total Solutions
P.O. Box 240014
Milwaukee, WI 53224



GENERAL INFORMATION NUMBER: (414) 354-6417
CHEMTREC: (800) 424-9300

REVISION DATE: February 23, 2012
DATE OF ISSUE: February 27, 2012

I - Product Identification

Concrete Seal

PRODUCT CODE: 0124

CHEMICAL FORMULATION: Epoxy ester floor sealer.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 3

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.

V - Reactivity Data

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.

VI - Health Hazard Data

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 launder 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.

VII - Spill or Leak Protection

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

WASTE DISPOSAL METHOD: Consult local environmental authorities.

VIII - Special Protection Information

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: Recommended

PROTECTIVE GLOVES: Chemical resistant.

EYE PROTECTION: Safety glasses and/or face shield.

OTHER PROTECTIVE EQUIPMENT: Protective clothing, eye wash station.

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 combustible residues.

IX - Transportation Information (ground transportation only)

DOT ID NUMBER: None

DOT PROPER SHIPPING NAME: None.

DOT CLASS: 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.

REVISION DATE: February 23, 2012

Prepared by: Technical Dept.

DATE OF ISSUE: February 27, 2012

This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Total Solutions assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material such vendees or users assume all risks associated with the use of this material.