



## TUFF-PRODUCTS, LLC

4514 Hudson Ln. • Tampa, FL 33618

office 813-960-1122 • toll free 800-780-3262 • fax 813-960-2244

# MATERIAL SAFETY DATA SHEET

PRODUCT:	TUF-BOND, TUF-LINK, KONTAX
GENERIC NAME:	EMULSION POLYMER
CHEMICAL FAMILY:	LATICES - SYNTHETIC
DOT PROPER SHIPPING NAME:	NOT APPLICABLE
WARNING STATEMENT:	FOR INDUSTRIAL USE ONLY

## SECTION 1: INGREDIENTS

EMULSION POLYMER PREPARED FROM: TLV\* A

COMBINATION OF LATICES-SYNTHETIC

RESIDUAL MONOMER DOES NOT EXCEED 0.5%

\*Threshold Limit Value    A. OSHA    B. ACGIH    C. See Section 3

## SECTION 2: EMERGENCY AND FIRST AID PROCEDURES

**EYE CONTACT:** Holding the lids apart, flush contaminated eye(s) with a gentle stream of water for 15 minutes. If irritation or redness develop and persist, seek immediate medical attention.

**SKIN CONTACT:** Remove contaminated clothing and cleanse skin thoroughly with soap and water. Seek medical attention if irritation, swelling, blistering or redness develop and persist.

**INHALATION:** No first aid is normally required. However, seek medical advice if unusual symptoms develop.

**INGESTION:** Drink 2 or 3 cups of milk, fruit juice or water. No other first aid is normally required. However, if unusual symptoms develop, seek medical advice.

*"Waterborne Chemistry"*

**WATER RESISTANT CONCRETE BONDING ADHESIVE AND ADMIXTURE**

### SECTION 3: PHYSIOLOGICAL EFFECTS AND HEALTH INFORMATION

---

- EYE EFFECTS:** This product may be an eye irritant.
- SKIN EFFECTS:** This product may cause skin irritation upon prolonged or repeated contact.
- SYSTEMIC EFFECTS:** Various studies have shown a possible association with exposure to this product and the following:
1. Normal utilization of this product should not generate residual monomer concentration in excess of the recognized TLV. However, should exposure to concentration greater than TLV be encountered, reactions similar to those expected from the pure monomer may result..
  2. Any toxicity related to this product is not due to the relatively inert, non- toxic polymer, but rather to the residual monomer.

### SECTION 4: SPECIAL PROTECTION INFORMATION

---

- RESPIRATORY PROTECTION: (specify type)** The use of respiratory protection depends on vapor concentration above the time-weighted TLV. Use a respirator/gas mask with appropriate cartridges and canister (NIOSH approved, if available), or supplied air equipment, depending on airborne concentration.
- VENTILATION:** General mechanical ventilation may be sufficient to keep product vapor concentrations within specified time-weighted TLV ranges. If general ventilation proves inadequate to maintain safe vapor concentrations, supplemental local exhaust may be required. Other special precautions, such as respiratory protection, may be required if vapor concentrations cannot be reduced to below the TLV by ventilation.
- PROTECTIVE GLOVES:** The use of gloves which are impermeable to the specific material handled is advised to prevent skin irritation and absorption.
- EYE PROTECTION:** Safety glasses, chemical goggles and/or face shields are recommended to safeguard against potential eye contact, irritation or injury.
- OTHER PROTECTIVE EQUIPMENT:** Protective clothing is advised as good chemical handling practice. The availability of eye washes and safety showers in work areas is recommended.

## SECTION 5: REACTIVITY DATA

---

<b>STABILITY:</b>	Stable.
<b>INCOMPATIBILITY: (materials to avoid)</b>	No hazardous reactions are expected to occur under normal industrial conditions; however, product properties may be altered by mixing with some materials.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide and traces of monomer.
<b>HAZARDOUS POLYMERIZATION:</b>	Will not occur.

## SECTION 6: SPILL OR LEAK PROCEDURES

---

<b>PRECAUTIONS IN CASE OF RELEASE OR SPILL:</b>	Flush spilled material into suitable retaining areas or containers with large quantities of water. Small amounts of spilled material may be absorbed into an appropriate absorbent. Prevent spilled liquid from entering sewers, storm drains, other unauthorized treatment/drainage systems and natural waterways.
<b>WASTE DISPOSAL METHOD:</b>	Dispose of product in accordance with applicable local, county, state and federal regulations.

## SECTION 7: STORAGE AND SPECIAL PRECAUTIONS

---

<b>HANDLING AND STORING :</b>	Keep product containers cool, dry, and away from sources of ignition. Use and store this product with adequate ventilation. (See Section 4). Keep product containers closed when not in use. Avoid subjecting this product to extreme temperature variations and freezing. Shocking the emulsion with large quantities of chemicals or extreme shear may cause coagulation.
<b>OTHER PRECAUTIONS:</b>	In general, minimal health and safety hazards are expected from use of this product. When working with any chemical compound, prudent handling practices should be exercised and unnecessary exposure avoided. Launder saturated clothing before wearing.

## SECTION 8: FIRE AND EXPLOSION HAZARD DATA

---

<b>DOT FLAMMABILITY CLASSIFICATION:</b>	Not applicable.	<b>FLASH POINT RANGE:</b>	None to boiling.
<b>UNUSUAL HAZARDS:</b>	Closed containers exposed to extreme heat may rupture due to pressure buildup.		
<b>EXTINGUISHING MEDIA:</b>	For dried solids, use water, foam, CO2 or dry chemical fire-fighting apparatus.		
<b>FIRE-FIGHTING PROCEDURES:</b>	Water may be useful in keeping fire-exposed containers cool.		

## SECTION 9: PHYSICAL DATA

---

<b>APPROXIMATE BOILING RANGE:</b>	212°F (100°C)	<b>VAPOR DENSITY:</b>	Lighter than air
<b>EVAPORATION RATE:</b>	Slower than Ether	<b>PERCENT VOLATILE:</b>	Approx. 45
<b>SOLUBILITY IN H2O:</b>	Dilutable	<b>SPECIFIC GRAVITY:</b>	Heavier than water
<b>WEIGHT PER GALLON:</b>	Approximately 9.0 lbs.		
<b>APPEARANCE AND ODOR:</b>	This product has a milky white appearance and faint odor.		

---

The above information is believed to be correct as of the date hereof. However, no warranty of merchantability, fitness for any use, or any other warranty, is expressed or is to be implied regarding the accuracy of these data, the results to be obtained from the use of the material, or the hazards connected with such use. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume responsibility for the results of its use. This information is furnished on the condition that the persons receiving it shall make their own determination as to the suitability of the material for their particular purpose and on the condition that they assume the risk of their use thereof.