

Ergon Armor      **Revision Number:** 1.000  
**Issue Date:** ~~09/11/08~~ 08/08/08

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** PENNTROWEL® UT500 RESIN      **ID(s):**  
**Product type:** Polyol based component of a 4-part polyurethane resin floor system      **Region:** United States

**Company address:** .....9f[ cb'5 fa cf  
Corrosion Engineering      **Contact information:**  
300 Stevens Drive, Suite 310      Telephone: ~~1 800 424 9300~~ 1 800 424 9300  
Lester, PA 19113      Emergency: Call CHEMTREC at 800.424.9300  
Internet: www.0[\* [ ] .com

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**Physical state:** Liquid  
**Color:** White  
**Odor:** Light terpene

#### HMIS:

HEALTH: 1  
FLAMMABILITY: 0  
PHYSICAL HAZARD: 0  
Personal Protection: See MSDS section 8

0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

\* = Chronic Health Hazard

MAY CAUSE MINOR EYE AND SKIN IRRITATION.

**Relevant routes of exposure:** Skin contact and inhalation

#### Potential Health Effects

**Inhalation:** Allergic reactions, such as a rash may occur.  
**Skin contact:** May cause mild irritation or redness.  
**Eye contact:** May cause mild irritation or redness.  
**Ingestion:** Large oral doses may cause spasmodic intestinal or abdominal pain.

**Existing conditions aggravated by exposure:** None known

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
**See Section 11 for additional toxicological information.**

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS-No.	%
Polyalcohol emulsion in water	Proprietary	100

### 4. FIRST AID MEASURES

**Inhalation:** Remove to fresh air. Allergic reaction, such as rash is possible. If reaction persists, seek medical attention.

**Skin contact:** Wash with soap and plenty of water. If a rash develops and/or irritation persists, seek medical advice.

**Eye contact:** Hold eyelids apart and immediately flush with plenty of water for at least 15 minutes. If irritation persists, seek medical advice.

**Ingestion:** Wash out mouth with water. Drink 3 or 4 glasses of water. Obtain medical attention. Do not induce vomiting unless under medical supervision. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

## 5. FIRE FIGHTING MEASURES

**Flash point:** NE

**Autoignition temperature:** NE

**Flammable/Explosive limits - lower:** NE

**Flammable/Explosive limits - upper:** NE

**Extinguishing media:** Use water spray, carbon dioxide, foam or dry chemical. Do not use high volume water jet.

**Special firefighting procedures:** Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand NIOSH approved or equivalent). Fire fighting equipment should be thoroughly decontaminated after use.

**Unusual fire or explosion hazards:** Cool exposed containers with water. Avoid breathing fumes from fire exposed material. This material will not burn in a liquid state. However, in a fire, the water could evaporate and the solids will burn. Burning solids produce noxious and toxic fumes.

**Hazardous combustion products:** Oxides of carbon.

## 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**Environmental precautions:** In case of a spill, avoid runoff into sewers and ditches which lead to waterways.

**Clean-up methods:** Isolate hazard area and deny entry to unnecessary and unprotected personnel. Be aware the product may cause a slip hazard. Contain spilled liquid with sand or earth. Soak up with inert absorbent material and dispose of in a manner consistent with federal, state and local regulations.

## 7. HANDLING AND STORAGE

**Handling:** Do not get in eyes, on skin or clothing. Avoid breathing vapor or mist. Keep container closed. Handle and open the container with care. Use only with adequate ventilation. Wash thoroughly after handling. Use personal protective equipment as detailed in section 8.

**Storage:** Avoid excessive heat. Store out of direct sunlight in a cool, well-ventilated place. Maintain storage temperature at 60-80°F. Protect from freezing and avoid temperatures above 100°F. Do not store close to acids.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Polyalcohol emulsion in water	none	none	none	

**Engineering controls:** Investigate engineering techniques to reduce exposures below airborne exposure limits. Provide ventilation if necessary to control exposure levels for this and other product components being mixed with it below airborne exposure limits (as listed). If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.

**Respiratory protection:** Avoid breathing vapors or mist. When airborne exposure limits of this or other products being mixed with it are exceeded, use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where exposure limit may be significantly exceeded, use an approved full face positive-pressure, self contained breathing apparatus or positive-pressure airline with auxiliary self-contained air supply. Respiratory protection programs must comply with 29 CFR § 1910.134.

**Eye/face protection:** Where there is potential for eye contact, wear chemical goggles and have eye flushing equipment available.

**Skin protection:** Wear appropriate chemical resistant protective clothing and chemical resistant gloves to prevent skin contact. Consult glove manufacturer to determine appropriate type glove material for given application. Rinse contaminated skin promptly. Wash contaminated clothing and clean protective equipment before reuse. Wash skin thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Color:</b>	White
<b>Odor:</b>	Light terpene
<b>Odor threshold:</b>	NE
<b>pH:</b>	9.4
<b>Vapor pressure:</b>	N/A
<b>Boiling point/range:</b>	~212°F (100°C)
<b>Melting point/ range:</b>	N/A
<b>Specific gravity:</b>	NE
<b>Vapor density:</b>	NE
<b>Flash point:</b>	NE
<b>Flammable/Explosive limits - lower:</b>	NE
<b>Flammable/Explosive limits - upper:</b>	NE
<b>Autoignition temperature:</b>	NE
<b>Evaporation rate:</b>	NE
<b>Solubility in water:</b>	Emulsifiable
<b>Partition coefficient (n-octanol/water):</b>	NE
<b>VOC content:</b>	N/A

**10. STABILITY AND REACTIVITY**

**Stability:** This material is stable under normal and anticipated storage and handling

**Hazardous polymerization:** Not known to occur.

**Hazardous decomposition products:** Oxides of carbon (in a fire)

**Incompatibility:** Acids

**Conditions to avoid:** Excessive heat or freezing. Avoid contact with acids.

**11. TOXICOLOGICAL INFORMATION**

**Toxicological Information**

Data available for this material and/or its components are summarized below:

**General Product Information:**

No toxic effects are known for this product. A skin rash has been observed in some people who have been exposed to this product.

**Component Data:**

Not available for this product.

**Cancer Lists**

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Polyalcohol emulsion in water	No	No	No

**Health Effects**

Hazardous components	Health Effects / Target Organs
Polyalcohol emulsion in water	Redness or irritation, allergic rash / eyes, skin

**12. ECOLOGICAL INFORMATION**

**Ecotoxicological Information**

Data available for this material and/or its components are summarized below:

**General Product Information:**

Avoid subsoil penetration. Prevent from entering drains. Do not contaminate surface water.

**Component Data:**

Not Available

**13. DISPOSAL CONSIDERATIONS**

Information provided is for unused product only.

**Recommended method of disposal:**

Recover, reclaim or recycle when practical. Dispose of in accordance with federal, state and local regulations. Empty containers retain product residue. Note: Chemical additions to, processing of, or otherwise altering this material may render information in this document to be incomplete, inaccurate or otherwise inappropriate for waste management purposes. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

**Disposal Regulatory Requirements:**

It is the responsibility of the waste generator to determine if the waste meets the definition of a hazardous waste as promulgated at 40 CFR Part 261 subpart C. No EPA Waste Numbers are applicable for this product's components.

**14. TRANSPORT INFORMATION**

**U.S. Department of Transportation Ground (49 CFR):**

Proper shipping name: Not regulated

**Air and Passenger Rail**

Proper shipping name: Not regulated

**Water Transportation (IMO/IMDG):**

Proper shipping name: Not regulated

**15. REGULATORY INFORMATION**

**United States Regulatory Information**

**TSCA 8 (b) Inventory Status:** All components are listed or are exempt from listing on the Toxic Substances Control

**SARA 311/312 Codes:** NA

**Applicable component data listed below:**

<b>TSCA 12(b) Export Notification:</b>	None Listed
<b>CERCLA/SARA Section 302 EHS:</b>	None Listed
<b>Section 304 EHS RQ</b>	None Listed
<b>CLCRA RQ</b>	None Listed
<b>Section 313</b>	None Listed
<b>RCRA CODE</b>	None Listed
<b>CAA 1129(r) TQ</b>	None Listed

**State Regulations** NA

**Canada Regulatory Information**

	<b>WHMIS Status</b>	<b>Hazard class(s)</b>
Polyalcohol emulsion in water	Not controlled	

**16. OTHER INFORMATION**

**Revision Information**

**Revision Date:** 5/25/2010  
**Supersedes Revision Dated:** NA  
**Revision Number:** 1.000  
**Revision Summary:** Newly published

**Key:** NE = Not Established, NA = Not Applicable

**Prepared by:** R. Forsythe

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