

**Section I - Product & Company Information****Product Name:** Armaflex WB Finish - White**Company Information:**Armacell LLC  
7600 Oakwood Street Extension  
Mebane, NC 27302**web:** www.armacell.us  
**e-mail:** info@armacell.com  
**phone:** 919.304.3846

In an emergency, contact Chemtrec: 800.424.9300

**Product Use:** Elastomeric Coating**Section II - Hazards Identification****GHS Ratings:**

Skin Irritant	3	Reversible adverse effects in dermal tissue
Eye Irritant	2B	Mild eye irritant
Carcinogen	2	Limited evidence of human or animal carcinogenicity

**GHS Hazards**

H316	Causes mild skin irritation
H320	Causes eye irritation
H351	Suspected of causing cancer

**GHS Precautions**

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P264	Wash hands thoroughly after handling
P281	Use personal protective equipment as required
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P405	Store locked up
P501	Dispose of contents/container in accordance with all local, state, federal and international regulations.

**Signal Word: Warning**

## Section III - Composition / Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Water	7732-18-5	30.00% - 40.00%
Nepheline Syenite	37244-96-5	20.00% - 30.00%
Titanium Dioxide	13463-67-7	10.00% - 20.00%
Zinc Oxide	1314-13-2	1.00% - 5.00%
Propylene Glycol	57-55-6	1.00% - 5.00%
Diphenyl Ketone	119-61-9	0.10% - 1.00%

(1) There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or environment and hence require reporting section

(2) Occupational exposure limits, if applicable, are listed in Section 8

## Section IV - First Aid Measures

**Inhalation:** If affected, remove from exposure. Restore breathing. Get medical attention.

**Eye Contact:** Flush eyes with large amount of water for 15 minutes while holding eye lids open. Get medical attention.

**Skin Contact:** Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

**Ingestion:** Do not induce vomiting. Call poison control and/or seek medical attention immediately.

**Notes to Physician:** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## Section V - Fire Fighting Measures

**Flash Point:** Non-Combustible

**Extinguishing Media:** Carbon Dioxide, Dry Chemical, or Alcohol Resistant Foam

**Special Hazards:** Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat. Material may spatter above 100C / 212 F.

**Special Firefighting Equipment & Procedures:** Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible explosion when exposed to extreme heat

## Section VI - Accidental Release Measures

### **STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Remove all sources of ignition. Ventilate the area. Dike around spill and absorb liquids with absorbent. Sweep up and shovel into suitable containers for disposal. Stop spill from entering drains, sewers, streams, or waterways. Affected spill area may be slippery. Wear appropriate personal protection equipment while in affected area.

## Section VII - Handling & Storage

### **PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

Do not store above 50C / 122 F, near heat or open flame. Protect from freezing. Close container and keep upright to prevent leakage. Keep out of reach of children. Transfer only to approved containers with complete and appropriate labeling.

## Section VIII - Exposure Controls/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits
Water 7732-18-5	N/A	N/A
Nepheline Syenite 37244-96-5	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)
Titanium Dioxide 13463-67-7	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)	10 mg/m <sup>3</sup>
Zinc Oxide 1314-13-2	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)	10 mg/m <sup>3</sup>
Propylene Glycol 57-55-6	Not Established	Not Established
Diphenyl Ketone 119-61-9	Not Established	Not Established

**PRECAUTIONS TO BE TAKEN IN USE:**

Use only with adequate ventilation

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

This coating contains materials classified as nuisance particles which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in this section, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m<sup>3</sup> (total dust), 3 mg/m<sup>3</sup> (respirable fraction), OSHA PEL 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction).

**Ventilation:** Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

**Work/ Hygienic Practices:** Wash hands before eating, smoking or using the wash room after use of this product. Do not consume food or beverages where this product is handled.

**Respiratory Protection:** If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection. When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

**Protective Gloves:** Required for long or repeated contact. Use neoprene or rubber gloves to prevent skin contact.

**Eye Protection:** Wear safety spectacles with sideshields.

**Other Protective Clothing or Equipment:** Use disposable or impervious clothing if work clothing contamination is likely. Availability of eye wash and shower stations recommended.

## Section IX - Physical & Chemical Properties

<p style="text-align: center;"><b>Appearance:</b> Liquid</p> <p style="text-align: center;"><b>Vapor Pressure:</b> No Data</p> <p style="text-align: center;"><b>Vapor Density:</b> No Data</p> <p style="text-align: center;"><b>Specific Density:</b> 1.34</p> <p style="text-align: center;"><b>Solubility:</b> No Data</p> <p style="text-align: center;"><b>Flash point:</b> N/A</p> <p style="text-align: center;"><b>Flammability:</b> N/A</p> <p style="text-align: center;"><b>Autoignition temperature:</b> N/A</p> <p style="text-align: center;"><b>Viscosity:</b> 100 - 130 KU</p> <p style="text-align: center;"><b>Partition coefficient (n-octanol/water):</b> No Data</p>	<p style="text-align: center;"><b>Odor:</b> Mild Ammonia</p> <p style="text-align: center;"><b>Odor threshold:</b> No Data</p> <p style="text-align: center;"><b>pH:</b> 8.5 - 10</p> <p style="text-align: center;"><b>Freezing point:</b> 0 C , 32 F</p> <p style="text-align: center;"><b>Boiling range:</b> 100 C, 212 F</p> <p style="text-align: center;"><b>Evaporation rate:</b> Slower than ether</p> <p style="text-align: center;"><b>Explosive Limits:</b> N/A</p> <p style="text-align: center;"><b>Decomposition temperature:</b> No Data</p> <p style="text-align: center;"><b>Grams VOC less water:</b> &lt; 50 g/L</p>
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## Section X - Stability & Reactivity

**Stability:** STABLE

**Conditions to avoid:** Freezing temperature; Heat, flames & sparks.

**Incompatible Materials:** Strong oxidizing agents

**Hazardous Decomposition Products:** Carbon Monoxide; Carbon Dioxide

## Section XI - Toxicological Information

**Mixture Toxicity:** No Data Available

**Component Toxicity**

13463-67-7 Titanium Dioxide  
Oral LD50: 5,000 mg/kg (Rat) Inhalation LC50: 7 mg/L (Rat)

**Effect of Overexposure:**

Eye and nasal irritation, headache, dizziness, nausea, difficulty breathing, itching or burning eye skin.

**Carcinogenicity:** The following ingredient either cause or are suspected of causing cancer.

Although IARC has classified titanium dioxide as possibly carcinogenic to humans (Category 2), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
119-61-9	Diphenyl Ketone	0.1 to 1.0%	Category 2
13463-67-7	Titanium Dioxide	10 to 20%	Category 2

## Section XII - Ecological Information

**Mixture Ecotoxicity:** No Data Available

**Component Ecotoxicity**

Water	Not Applicable
Titanium Dioxide	LC50/ 96 h/ Fathead Minnow: > 1,000 mg/L
Zinc Oxide	LC50/ 48 h/ Water Flea: 98 ug/L
Propylene Glycol	EC50/ 48 h/ Water Flea: > 1,000 mg/L

## Section XIII - Disposal Considerations

**Waste Disposal Method:** Dispose of in accordance with International, Federal, State/Provincial, and Local regulations regarding pollution. Local requirements may vary, consult your local sanitation and/or state designated environmental protection agency for disposal options.

## Section XIV - Transport Information

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Paint, Not Regulated	N/A	N/A	N/A

## Section XV - Regulatory Information

**OSHA:** This mixture is considered to be hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

**US Toxic Substance Control Act:** All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory

**SARA Section 313:** This product contains the following ingredients and as such, is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act and 40 CFR 372  
1314-13-2 Zinc Oxide 1 to 5 %

**California Proposition 65:** This product can expose you to chemicals known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)  
119-61-9 Diphenyl Ketone

**State of New Jersey Worker and Community Right-To-Know Act:** This product contains the following chemicals which appear on the New Jersey Hazardous Substance List:

119-61-9 Diphenyl Ketone  
57-55-6 Propylene Glycol  
1314-13-2 Zinc Oxide  
13463-67-7 Titanium Dioxide

**Commonwealth of Pennsylvania Worker and Community Right-To-Know Act:** This product contains the following chemicals which appear on the Pennsylvania Hazardous Substance List:

119-61-9 Diphenyl Ketone  
57-55-6 Propylene Glycol  
1314-13-2 Zinc Oxide  
13463-67-7 Titanium Dioxide

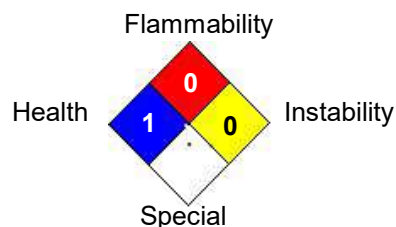
## Section XVI - Disclaimer & Other Information

Prepared by Armacell LLC - Technical Department

### Hazardous Material Information System (HMIS)

HEALTH	1	<b>HMIS &amp; NFPA Hazard Rating Legend</b> * = Chronic Health Hazard 0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH
FLAMMABILITY	0	
PHYSICAL HAZARD	0	
PERSONAL PROTECTION	X	

### National Fire Protection Association (NFPA)



It is recommended that users of this product carefully review this Safety Data Sheet (SDS) to become aware of and understand the data contained herein and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. Since conditions of use are out of our control, users assume all risks associated with the use of the material. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The user is responsible to ensure that their activities comply with all country, federal, state, provincial or local laws.

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