

# SAFETY DATA SHEET

Issue Date 18-May-2015

Revision Date 30-May-2015

Version 1

## 1. IDENTIFICATION

### Product identifier

**Product Name** Armor SX5000 WB

### Other means of identification

**Product Code** SX5000

**Synonyms**

### Recommended use of the chemical and restrictions on use

**Recommended Use** Concrete Water Repellent.

**Uses advised against** No Data

### Details of the supplier of the safety data sheet

#### **Distributor Address**

Foundation Armor LLC. 472 Amherst Street #14, Nashua, NH 03063 (866) 306-0246

### Emergency telephone number

**Company Phone Number** (866) 306-0246

**24 Hour Emergency Phone Number** (800) 424-9300 (United States & Canada)

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

This material will flash but does not sustain combustion. OSHA Combustible Liquid and Vapor.

### Label elements

#### **Emergency Overview**

#### **CAUTION**

#### **Hazard statements**

Warning! This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

May cause eye irritation

May cause respiratory irritation

May cause skin irritation

Harmful if swallowed



**Appearance** Milky White Liquid

**Physical state** liquid

**Odor** Mild

#### **Precautionary Statements - Prevention**

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood  
 Keep container tightly closed  
 Ground/bond container and receiving equipment  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Wash face, hands and any exposed skin thoroughly after handling  
 Use only outdoors or in a well-ventilated area  
 Avoid release to the environment  
 Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower  
 If skin irritation occurs: Get medical advice or attention.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contacts, if present and easy to do. Continue rinsing.  
 If eye irritation persists: Get medical advice/attention  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.  
 IF SWALLOWED: Immediately call a POISON CONTROL CENTER/doctor  
 Do NOT induce vomiting.  
 Take off contaminated clothing and wash before reuse  
 In case of fire use, "alcohol resistant" foam, dry chemical, halon or carbon dioxide to extinguish.  
 Collect spillage

**Precautionary Statements - Storage**

Store in well-ventilated place. Keep Cool. Keep container tightly closed. Store locked up.

**Precautionary Statements - Disposal**

Dispose of contents/container in accordance with local/regional/national regulations.

**Hazards not otherwise classified (HNOC)**

This material releases ethanol upon hydrolysis. Ethanol (CAS No. 64-17-5) is an irritant to the eyes and mucous membranes. Overexposure has been shown to cause central nervous system depression. Direct contact with the eyes will cause burning and stinging.

**Other Information**

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substance**

| Chemical Name               | CAS No.    | Weight-% | Trade Secret |
|-----------------------------|------------|----------|--------------|
| Non-hazardous ingredient(s) | -          | 60 - 100 | *            |
| Octyl Triethoxy Silane      | 35435-21-3 | 7 - 13   | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**Description of first aid measures**

**General advice** Move out of the dangerous area. Consult a physician. Provide this Safety Data Sheet to the doctor in attendance.

**Eye contact** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Skin contact** IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash off immediately with soap and plenty of water. If skin irritation

persists, call a physician.

**Inhalation** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.

**Ingestion** IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** Eye, Skin, and Respiratory Irritation.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically. For additional information, see Safety Data Sheet.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**

Dry Chemical, Alcohol Resistant Foam, Halon or Carbon Dioxide.

**Unsuitable extinguishing media** CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

None Known.

**Hazardous combustion products** Carbon dioxide (CO<sub>2</sub>). Carbon monoxide.

**Explosion data**

**Sensitivity to Mechanical Impact** Not available.

**Sensitivity to Static Discharge** No.

**Protective equipment and precautions for firefighters**

Wear self-contained breathing apparatus and protective suit.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use personal protective equipment as required. P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

**Environmental precautions**

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not allow product to enter any drains or waterways.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills.

**Methods for cleaning up** Use a non-combustible material like vermiculite or sand to soak up the product and place into a container for later disposal. Use clean non-sparking tools to collect absorbed material. Dispose according to local regulations.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Use only with adequate ventilation and in closed systems.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Incompatible materials** Keep away from strong oxidizing agents, strong alkalis, and strong acids.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines** Ethanol - CAS# 64-17-5: OSHA 1,000 ppm, ACGIH TWA 1,000 ppm.  
**Appropriate engineering controls**

**Engineering Controls** General/Local Ventilation Recommended.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear chemical resistant gloves at minimum. Wash skin immediately upon contact. Wash hands at mealtime and end of shift.

**Respiratory protection** Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Wash hands before and after breaks and at the end of the work day.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

|                       |                    |                       |                   |
|-----------------------|--------------------|-----------------------|-------------------|
| <b>Physical state</b> | liquid             | <b>Odor</b>           | Mild              |
| <b>Appearance</b>     | Milky White Liquid | <b>Odor threshold</b> | No data available |
| <b>Color</b>          | white              |                       |                   |

| <b><u>Property</u></b>                | <b><u>Values</u></b> | <b><u>Remarks • Method</u></b> |
|---------------------------------------|----------------------|--------------------------------|
| <b>pH</b>                             | Not Available        |                                |
| <b>Melting point / freezing point</b> | Not Available        |                                |
| <b>Boiling point / boiling range</b>  | Not Available        |                                |
| <b>Flash point</b>                    | > 93 °C (> 200 °F)   | CC (closed cup)                |
| <b>Evaporation rate</b>               | Not Available        |                                |
| <b>Flammability (solid, gas)</b>      | Not Relevant         |                                |
| <b>Flammability Limit in Air</b>      |                      |                                |
| <b>Upper flammability limit:</b>      | Not Available        |                                |
| <b>Lower flammability limit:</b>      | Not Available        |                                |
| <b>Vapor pressure</b>                 | Not Available        |                                |
| <b>Vapor density</b>                  | Not Available        |                                |

|                              |                     |
|------------------------------|---------------------|
| Relative density             | .992 @ 70 Degrees F |
| Water solubility             | Soluble in water    |
| Solubility in other solvents | Not Available       |
| Partition coefficient        | Not Available       |
| Autoignition temperature     | Not Available       |
| Decomposition temperature    | Not Available       |
| Kinematic viscosity          | Not Available       |
| Dynamic viscosity            | Not Available       |
| Explosive properties         | Not Available       |
| Oxidizing properties         | Not Available       |

**Other Information**

|                  |               |
|------------------|---------------|
| Softening point  | Not Relevant  |
| Molecular weight | Not Available |
| VOC Content (%)  | < 100 g/L     |
| Density          | Not Available |
| Bulk density     | Not Available |

## 10. STABILITY AND REACTIVITY

**Reactivity**

Not Available

**Chemical stability**

Stable.

**Possibility of Hazardous Reactions**

Hazardous polymerization does not occur.

**Conditions to avoid**

Heat, flames and sparks.

**Incompatible materials**

Keep away from strong oxidizing agents, strong alkalis, and strong acids.

**Hazardous Decomposition Products**

Hazardous decomposition products formed under fire conditions, carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

|                     |                                      |
|---------------------|--------------------------------------|
| <b>Inhalation</b>   | Direct contact and vapor inhalation. |
| <b>Eye contact</b>  | Direct contact.                      |
| <b>Skin contact</b> | Direct contact.                      |
| <b>Ingestion</b>    | Direct contact.                      |

**Information on toxicological effects**

**Symptoms** May cause drowsiness or dizziness if inhaled. May cause respiratory irritation. Causes serious eye irritation. Causes skin irritation.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

|  |   |
|--|---|
| <b>Skin corrosion/irritation</b>         | Causes severe burns. Irritating to skin.            |
| <b>Serious eye damage/eye irritation</b> | Irritating to eyes. Risk of serious damage to eyes. |
| <b>Irritation</b>                        | Irritating to eyes, respiratory system and skin.    |

|                                 |                    |
|---------------------------------|--------------------|
| <b>Sensitization</b>            | No data available. |
| <b>Germ cell mutagenicity</b>   | No data available. |
| <b>Carcinogenicity</b>          | No Data Available. |
| <b>Reproductive toxicity</b>    | Not Available.     |
| <b>STOT - single exposure</b>   | Not Available.     |
| <b>STOT - repeated exposure</b> | Not Available.     |
| <b>Aspiration hazard</b>        | Not Available.     |

**Numerical measures of toxicity - Product Information**

**12. ECOLOGICAL INFORMATION**

No available data.

**Ecotoxicity**

**Persistence and degradability**

No data available.

**Bioaccumulation**

No data available.

**Other adverse effects**

No data available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes**

Under RCRA 40 CFR 261 this material is a hazardous waste. Dispose of in accordance with all federal, state, and local regulations. If uncertain of local requirements, contact the proper environmental authorities for information on waste disposal in your area. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**

Dispose of in accordance with federal, state and local regulations.

**14. TRANSPORT INFORMATION**

**DOT**  
**Marine pollutant**

Not regulated This material has been tested and does not sustain combustion.  
No available data.

**IATA**

Not regulated

**IMDG**

Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

|                      |                 |
|----------------------|-----------------|
| <b>TSCA</b>          | Does not comply |
| <b>DSL/NDSL</b>      | Does not comply |
| <b>EINECS/ELINCS</b> | Does not comply |
| <b>ENCS</b>          | Does not comply |
| <b>IECSC</b>         | Does not comply |
| <b>KECL</b>          | Does not comply |
| <b>PICCS</b>         | Does not comply |
| <b>AICS</b>          | Does not comply |

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

|  |                   |
|--|-------------------|
| <b>Acute health hazard</b>               | No Data Available |
| <b>Chronic Health Hazard</b>             | No Data Available |
| <b>Fire hazard</b>                       | No                |
| <b>Sudden release of pressure hazard</b> | No                |
| <b>Reactive Hazard</b>                   | No Data Available |

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

**US State Regulations**

**California Proposition 65**

This product contains chemicals known to the state of California to cause birth defects or other reproductive harm

**U.S. State Right-to-Know Regulations**

**U.S. EPA Label Information**

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

|                    |                         |                       |                           |   |
|--------------------|-------------------------|-----------------------|---------------------------|---|
| <b><u>NFPA</u></b> | <b>Health hazards</b> 1 | <b>Flammability</b> 1 | <b>Instability</b> 1      | <b>Physical and Chemical Properties</b> - |
| <b><u>HMIS</u></b> | <b>Health hazards</b> 1 | <b>Flammability</b> 1 | <b>Physical hazards</b> 1 | <b>Personal protection</b> X              |

**Issue Date** 18-May-2015

**Revision Date** 30-May-2015

**Revision Note**

No data available

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the

date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**