

Section 1. Identification

Product Name: PROFLEX® AF300 (Anti-Fracture Membrane)
Effective Date: 10/27/2015
Manufacturer / Supplier Name: PROFLEX® Products, Inc.
Address: 2826 Broadway Center Blvd.
Brandon, FL 33510
EMERGENCY PHONE: 973-256-1100
PRODUCT INFORMATION: 877-577-6353

Section 2. Hazard(s) Identification

OSHA / HCS Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)
Classification of the substance or mixture:

| | |
|------------------|-------------|
| Carcinogen - | Category 1A |
| Skin corrosive - | 1A |
| Eye corrosive- | 1 |
| Carcinogen - | 1A |

GHS Pictograms:



GHS Signal Word: DANGER

HAZARD STATEMENTS: May cause cancer.

CODE OF PRECAUTIONARY STATEMENTS:

P201, Obtain special instructions before use.
P202, Do not handle until all safety precautions have been read and understood.
P260, Do not breathe dust / fume / gas / mist / vapours / spray.
P270, Do not eat, drink, or smoke using this product.
P280, Wear protective gloves / clothing / eye protection / face protection.
P281, Use personal protective equipment as required.
P363, Wash contaminated clothing before reuse.
P303 + P361 + P338, IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P304 + P340, IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338, IF IN EYES: Rinse continuously 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
P405, Store locked up.
P501, Dispose of contents / container in accordance with local authority requirements. Incineration is the preferred method of disposal.

Section 3. Composition / Information on Ingredients

| | Weight % | CAS # |
|-------------|-----------------|--------------|
| Quartz | 0.16% | 14808-60-7 |
| Marble Dust | 15.90% | 1317-65-3 |

Section 4. First Aid Measures

Eye Contact: Flush with copious amounts of water for at least 15 minutes occasionally lifting upper and lower eyelids. Remove any contact lenses. Consult physician if necessary.

Skin Contact: Wash with soap and water. Remove contaminated clothing. Consult physician for rashes, irritation, and prolonged unprotected exposures.

Inhalation: Move victim to fresh air and keep at rest in position comfortable for breathing. If the person is not breathing, if breathing is irregular or of respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Risk may occur to the person providing mouth-to-mouth resuscitation. If victim is unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.

Ingestion: Do not induce vomiting. Wash mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If product has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop giving water if vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Consult physician.

Note to Physician: *Eyes:* Stain for evidence of corneal injury.

Skin: N/A

Ingestion: Treat symptomatically. There is no specific antidote. *Respiratory:* Treatment is essentially symptomatic. Remove individual with symptoms from exposure and assist in breathing if necessary.

Section 5. Fire Fighting Measures

Extinguishing Media: This product is not flammable. Use fire- extinguishing media appropriate for surrounding materials. Don't use water jet or water- based fire extinguishers.

Hazardous Combustion Products: N/A

Protection of Firefighters: Firefighters should be equipped with self-contained breathing apparatus and turnout gear.

Section 6. Accidental Release Measures

Personal Precautions: Do not breathe dust when cleaning or scraping. Provide adequate ventilation. Use protective gloves, goggles and suitable protective clothing.

Environmental Precautions: Do not allow product to get into drains, soil, or surface water. Inform specific authorities if the product has entered the environment, including water, drains and soil.

Methods of Cleanup: Seal securely and deliver for disposal according to local regulations. Wear necessary protective equipment.

Section 7. Handling and Storage

Handling Precautions: Avoid generating and breathing dust when cleaning or scraping. Avoid contact with skin and eyes. Do not get the product inside boots, shoes or gloves. Appropriate respirator should be worn when ventilation is inadequate. Do not eat, drink or smoke when using the product. Do not reuse packaging.

Storage: Keep separate from food, feedstuffs, fertilizers and other sensitive material. Store in dust tight, dry and labeled closed container. Avoid product contact with skin and eyes.
KEEP OUT OF REACH OF CHILDREN.

Section 8. Exposure Controls / Personal Protection

Exposure Guidelines: Not determined

Engineering Controls: Provide adequate ventilation. .

Environmental Controls: Emissions from ventilation or work process equipment should comply with the requirements of environmental protection legislation.

Personal Protective Equipment:

Skin Protection - Permeation resistant gloves (butyl rubber, nitrile rubber, PVC or polyvinyl alcohol). Do not allow this product inside gloves. Wear high impervious boots, do not get the product inside boots, shoes or gloves. Remove saturated clothing and protective equipment and immediately wash exposed areas of the body.

Eye/Face Protection - Glasses with side shields, chemical splash proof goggles and/or face shield. It's not recommended to use wear contact lenses when working with this product.

Respiratory Protection - Use respirator with a filter selected based on known or anticipated exposure levels, hazards of the product.

| Chemical Name / CAS No. | OSHA Exposure Limits | ACGIH Exposure Limits | Other Exposure Limits |
|-----------------------------|---|--|--|
| Quartz / 14808-60-7 | Not established. | 0.025 mg/m ³ TWA (respirable) | NIOSH: 0.05 mg/m ³ TWA: (respirable dust) |
| Marble dust / 1317-65-3 | 15 mg/m ³ TWA (total dust) 5 mg/m ³ TWA (respirable) | Not established. | NIOSH: 10 mg/m ³ TWA (dust) 5 mg/m ³ TWA (respirable) |
| Titanium Dioxide/13463-67-7 | 3.5 mg/m ³ TWA | 3 mg/m ³ TWA (inhalable) | NIOSH: 3.5 mg/m ³ TWA 0.1 mg/m ³ TWA (Carbon) |

Section 9. Physical and Chemical Properties

Appearance: White or Gray Paste
Odor: Slight ammonia odor
Relative Density: 1.11
Odor Threshold: Not available.
Solubility: Partially soluble in water.
pH: Not available.
Partition Coefficient: Not available.
Melting Point: Not available.
Freezing Point: Not available.
Auto-ignition temperature: Not available.

Flash Point: Not available.
Decomposition Temperature: Not available.
Evaporation Rate: Not available.
Viscosity: Not available.
Flammability (Solid / Gas): Not available.
Upper / Lower Flammability: Not available.
VOC Content: 1500 PPM
Vapor Pressure: Not available.
Boiling Point: >212°F

Section 10. Stability and Reactivity

Chemical Stability: Stable under normal temperature conditions and recommended use.

Conditions to Avoid: Keep from freezing.

Materials to Avoid: N/A

Section 11. Toxicological Information

Ingestion: May cause severe irritation.

Inhalation: May cause respiratory irritation.

Skin Contact: May cause an allergic skin reaction.

Eye Contact: May cause eye irritation.

| Chemical Name / CAS No. | % Weight | Carcinogen Rating |
|------------------------------|----------|---|
| Quartz / 14808-60-7 | 0.17% | Quartz: NIOSH: potential occupational Carcinogen IARC: Human carcinogen OSHA: listed |
| Titanium Dioxide/ 13463-67-7 | 0.86% | Titanium Dioxide: NIOSH: potential occupational Carcinogen IARC: Possible human carcinogen OSHA: listed |

Section 12. Ecological Information

Mobility and Bioaccumulation Potential: Not determined

Degradation: Not determined

Aquatic Toxicity: Not determined

LC50 – 24 hour (Static): Not determined

Section 13. Disposal Considerations

Disposal: Dispose of waste and residues in accordance with local, state, federal, provincial authority requirements.

Wastes or Residues: Same as above.

Section 14. Transport Information

Road: DOT Proper Shipping Name: **Non-Regulated**
 DOT Packing Group: N/A
 DOT Label: N/A
 UN Number: N/A

Ocean: Proper Shipping Name: **Non-Regulated**
 Sea – IMO/IMDG Class: N/A
 UN Number: N/A
 Label: N/A
 Packing Group: N/A
 Marine Pollutant: N/A
 EMS: N/A

Air: Proper Shipping Name: **Non-Regulated**
 Air – ICAO/IATA Class: N/A
 UN Number: N/A
 Label: N/A
 Subclass: N/A
 Packing Group: N/A
 Pack Instr. Passenger: N/A
 Pack Instr. Cargo: N/A

Section 15. Regulatory Information

Status on Substance Lists: The concentration shown in this document are maximum levels (weight %) to be used for regulations.

TSCA: The components of this product are contained on the chemical substance inventory list.

Chemicals listed under the TSCA control act:

OSHA: This product is a 'Hazardous Chemical' as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

OSHA PEL's: Titanium Dioxide/ 13463-67-7
 Quartz/14808-60-7

Federal EPA: Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA): Requires notification of the national response center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40 CFR 302.4. Components present in this product at level which could require reporting under the statute are:

| Chemical Name | CAS Number | % by Weight | RQ |
|---------------|------------|-------------|------|
| None | None | None | None |

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III: Sections 301-304 require emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQ) in 40 CFR 355. Components present in this product at level which could require reporting under this statute are:

| Chemical Name | CAS Number | % by Weight | RQ |
|---------------|------------|-------------|------|
| None | None | None | None |

Section 311-312 require products be reviewed and applicable EPA Hazard Definitions be identified and made known- **None**

NJ RTK

| | |
|------------|------------------|
| 13463-67-7 | Titanium dioxide |
| 14808-60-7 | Quartz |
| 1317-65-3 | Marble dust |

Pennsylvania RTK

| | |
|------------|------------------|
| 13463-67-7 | Titanium dioxide |
| 14808-60-7 | Quartz |
| 1317-65-3 | Marble dust |

SARA 302 Extremely Hazardous Substances - None

Massachusetts RTK

| | |
|------------|------------------|
| 13463-67-7 | Titanium dioxide |
| 14808-60-7 | Quartz |
| 1317-65-3 | Marble dust |

EPA Hazard Classifications:

| Acute Hazard | Chronic Hazard | Fire Hazard | Pressure Hazard | Reactive Hazard |
|--------------|----------------|-------------|-----------------|-----------------|
| Yes | Yes | No | No | No |

Section 313 requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all SDSs that are distributed for this material. Components present in this product at level which could require reporting under the statute are: **None**

Canada DSL: This material is listed or exempted.

California Proposition 65: Warning: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm: Crystalline Silica/14808-60-7, Titanium dioxide 13463-67-7

Section 16. Other Information

Hazardous Material Information (HMIS)

National Fire Protection Association (NFPA)

| | | | |
|---------------------|---|---|-------------|
| Health | 2 | 2 | Health |
| Fire | 0 | 0 | Fire |
| Reactivity | 0 | 0 | Instability |
| Personal Protection | E | | NA |

Health 4 Deadly 3 Extreme Danger 2 Dangerous 1 Slight hazard 0 No hazard
 Fire 4 < 73 °C 3 < 100 °C 2 < 200 °C 1 >200 °C 0 Will not burn
 Reactivity/Instability 4 – May detonate 3 Explosive 2 Unstable 1 Normally stable 0 Stable

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