

MATERIAL SAFETY DATA SHEET

HYDRO-STOP LLC
1465 PIPEFITTER STREET
CHARLESTON, SC 29405

HEALTH EMERGENCY: (800) 739-5566
SPILL EMERGENCY: (800) 739-5566

Section I - Compositional Information

Product Identification

Product Name - **PremiumCoat Foundation Coat**

Product code - 2002-005 & 2002-001

MSDS date - 01/02/08

Component Information

<u>Component Information</u>	<u>CAS REG NUMBER</u>	<u>AMOUNT</u>
1 - Acrylic Polymer	Not Hazardous	23% minimum
2 - Inorganic Fillers	Mixture	27.6%
3 - Water	Not Hazardous	42-44%
4 - Titanium dioxide	13463-67-7	.4%
5 - Mildewcide	Mixture	4.2%
6 - Additives	Mixture	.8-2.8%

Section II - Physical Property Information

Appearance - Odor

Color : Green - no odor

Solubility in Water

Dilutable

Freezing Point

0°C / 32°F

Volatile Organic Compounds

Less than 65 gm/lt

Section III - Fire and Explosion Hazard Information

Flash Point

Non-Combustible

Auto Ignition Temperature

Not applicable

Extinguishing Media

Not applicable

Special Fire Fighting Procedures

None

Unusual Fire and Explosion Hazards

Material can splatter above 100°C/212°F

Section IV - Health and Hazard Information

Emergency Response Information

Inhalation

Move subject to fresh air. Not Hazardous.

Skin Contact

Prolonged contact may cause slight irritation. Wash affected skin areas thoroughly with soap and water.

Eye Contact

Slightly irritating to eyes. Flush eyes with a large amount of water for 5 minutes. Consult a physician if irritation persists.

Ingestion

If swallowed dilute by giving 2 glasses of water to drink. See a physician. Never give anything by mouth to an unconscious person.

Section V - Storage and Handling Information

Storage Conditions

Keep from freezing; material may coagulate. The minimum recommended storage temperature for this material is 1°C/34°F. The maximum recommended storage temperature for this material is 49°C/120°F.

Handling Procedures

No special handling required.

Section VI - Spill or Leak Procedure Information

Steps to be taken in case material is released or spilled

Keep spectators away. Floor may be slippery; use care to avoid falling. Dike and contain spill with inert material (e.g.; sand, earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

Waste Disposal Methods

Coagulate by the stepwise addition of ferric chloride and lime. Remove the clear supernatant liquid and flush to a chemical sewer. Incinerate the solids and contaminated diking material according to local, state, and federal regulations.

Section VII - Special Protection Information

Ventilation Type

Mechanical local exhaust ventilation at point of contaminant release.

Respiratory Protection

Wear suitable respirator (MSHA/NIOSH-approved or equivalent) where exposure limits are exceeded. PEL N/A upper limits N/A, lower limits N/A

Protective Gloves

Impervious

Eye Protection

Chemical splash goggles (ANSI Z-87.1 or approved equivalent)

Section VIII - Storage and Handling Information

Storage Temperature

Maximum 60°C/140°F Minimum 1°C/34°F

Precautionary Labeling

Keep from freezing. Product may coagulate.

Section IX - Toxicity Information

Toxicity Information

The effects of overexposure shown in Section IV are based on information about similar materials and on toxicity profiles for the solvents in this product.

Section X - Miscellaneous Information

Note: Titanium dioxide when formulated as above does not pose dust hazard unless sanding or grinding of the dry coating takes place. The TWA for inorganic filler are those for nuisance dusts.

Footnote to Section VII: Refer to Industrial Ventilation: A Manual of Recommended Practice published by the American Conference of Governmental Industrial Hygienist.

Section XI – Stability and Reactivity

Instability

This material is considered stable. However, avoid temperatures above 177°C/350°F, the onset of polymer decomposition. Thermal decomposition is dependent on time and temperature.

Hazardous Decomposition Products

None

Hazardous Polymerization

Product will not undergo polymerization.

Incompatibility

There are no known materials that are incompatible with this product.

PRODUCT NAME: HYDROSTOP PREMIUM FINISH COAT**PRODUCT CODE: 2003-, 012, 015, 042, 072, 022, 122, 062, 102, 032, 052, 082, 092, 045, 075, 025
125, 065, 105, 035, 055, 085, 095, HS-PF-W, 2002-, 201, 500, HS-PF-DTB S&W****~~~~ SECTION 1 ~~~~ MANUFACTURER IDENTIFICATION ~~~~**

Manufacturer's Name : Quest Construction Products/HydroStop
Address : 1465 Pipefitter Street
: North Charleston, SC 29405
: INITIAL (FIRST CALL) CHEMTREC (800) 424-9300
INFORMATION PHONE : (800) 739-5566
TOLL FREE : BACKUP (843) 475-2807

DATE REVISED : SEPTEMBER 2011**~~~~ SECTION 2 ~~~~ HAZARDOUS INGREDIENTS/SARA III INFORMATION ~~~~**

Reportable Components	CAS Number	MM HG @ Temp	Weight %
Calcium Carbonate	1317-65-3	N/A N/A	34 - 40
ACGIH TLV: 10mg/m3 Dust			
OSHA PEL: 15mg/m3 Total Dust			
OSHA PEL: 5mg/m3 Respirable Dust			
Titanium dioxide	13463-67-7	N/A N/A	0 - 6
ACGIH TLV: 10mg/m3 Dust			
OSHA PEL: 15mg/m3 Total Dust			
OSHA PEL: 5mg/m3 Respirable Dust			
WHMIS: D2A- Toxic material causing other toxic effects.			
Zinc Oxide	1314-13-2	N/A N/A	4
ACGIH TLV: 10mg/m3 Dust			
OSHA PEL: 15mg/m3 Total Dust			
OSHA PEL: 5mg/m3 Respirable Dust			

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

Indicates carcinogenic chemical.

NOTE: If tinted may contain Carbon Black CAS#1333-86-4 AND/OR Crystalline Silica CAS#14808-60-7. If tinted DARK GRAY or BLACK consider these levels to be reportable.

This MSDS may be used for other colors and container sizes of this product.

~~~~ SECTION 3 ~~~~ HAZARDS IDENTIFICATION ~~~~**Potential Health Effects****Eyes:**

May cause slight/moderate irritation to the eye

Skin:

Contact causes moderate skin irritation. Causes drying of the skin.

Ingestion:

While this material has a low degree of toxicity, ingestion of large quantities may cause irritation of the digestive tract.

Inhalation:

May cause irritation to respiratory tract.

~~~~ SECTION 4 ~~~~ FIRST AID MEASURES ~~~~**Eyes:**

Immediately flush with copious amounts of water for at least 15 minutes. If redness, itching, or burning sensations persist

consult a physician or ophthalmologist immediately.

Skin:

Wash with plenty of soap and water. Remove contaminated clothing and shoes, wash before reuse. Consult a physician immediately.

Ingestion:

Not considered a potential route of exposure. If swallowed, give 2 glasses of water to drink. Never give anything by mouth to an unconscious person. Consult a physician immediately.

Inhalation:

Remove from source of exposure and into fresh air. If symptoms persist consult a physician immediately. If not breathing, give artificial respiration and call emergency medical services immediately.

Note to Physician:

No specific antidote. Supportive care, treatment based on judgment of the physician in response to reactions of the patient.

~~~~ SECTION 5 ~~~~ FIRE FIGHTING MEASURES ~~~~

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**Flammable Properties**

**Flash Point:** 998F

**Lower Flammable Limits:** N/A

**Upper Flammable Limit:** N/A

**Auto Ignition Temperature:** N/A

**Extinguishing Media:**

Foam, CO<sub>2</sub>, dry chemical, water fog or spray, as appropriate for surrounding fire.

**Special Fire Fighting Procedures:**

Do not enter any enclosed or confined fire space without full protective equipment, including self-contained breathing apparatus (pressure-demand MSHA/NIOSH approved or equivalent) to protect against the hazardous effects of combustion products and oxygen deficiency.

~~~~ SECTION 6 ~~~~ ACCIDENTAL RELEASE MEASURES ~~~~

Small Spill:

Stop spill at source. Pick up with mop and shovel. Rinse well with water.

Large Spill:

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up with sand, clay, earth, or other inert absorbent material and shoveled into containers. Do not flush into sewers. Material should be placed in a container for recovery or transfer to a disposal facility.

~~~~ SECTION 7 ~~~~ HANDLING AND STORAGE ~~~~

Handling & Storage:

Keep from freezing. Keep container cool and dry. Use and store this product with adequate ventilation. Keep product containers tightly closed when not in use. Avoid subjecting this product to extreme temperature variations.

Other Precautions:

~~~~ SECTION 8 ~~~~ EXPOSURE CONTROLS/PERSONAL PROTECTION ~~~~

Engineering Controls:

In outside spray, mixing and rolling applications situate workers upwind of operation & provide airflow in a downwind direction so as to carry fumes and residual spray away from workers. Local exhaust ventilation recommended if generating vapor, dust or mist. Turn off heating and/or air conditioning equipment to prevent contaminating building. If exhaust ventilation is not adequate, use MSHA or NIOSH approved respirator. Refer to OSHA standard 29 CFR 1910.94 for guidelines.

Respiratory Protection:

Wear a NIOSH approved respirator appropriate for the vapor or mist concentration at the point of use. Appropriate respirators may be a full-face piece or a half mask air-purifying cartridge respirator equipped for organic vapors/mists, a self-contained breathing apparatus in the pressure demand mode, or a supplied-air respirator. Refer to OSHA standard 29 CFR 1910.134 for additional information.

Skin Protection:

Chemical resistant gloves determined to be impervious under the conditions of use.

Eye Protection:

Safety glasses with side shields

~~~~ SECTION 9 ~~~~ PHYSICAL AND CHEMICAL PROPERTIES ~~~~

Boiling Range: N/A

Melting Point: N/A

Specific Gravity(H₂O=1): 1.4386

Vapor Density(Air=1): Lighter than air

Vapor Pressure: 17mm Hg @ 20C/68F Water

Evaporation Rate(N-Butyl Acetate=1) : Slower than ether

Coating V.O.C.: 0.09 lb/gl Coating V.O.C.: 11 g/l

Material V.O.C.: 0.05 lb/gl Material V.O.C.: 6 g/l

Solubility in Water: Soluble

Appearance: Moderately viscous pigmented liquid, various colors.

Odor: AMMONIA ODOR

pH: ~9

~~~~ SECTION 10 ~~~~ STABILITY & REACTIVITY DATA ~~~~

Stability:

Stable

Conditions To Avoid:

Extremely hot or cold temperatures

Incompatible Materials:

Avoid contact with strong acids and strong oxidizing materials.

Hazardous Decomposition Products

Thermal decomposition may yield carbon monoxide and carbon dioxide. Unidentified organic compounds in fumes and smoke may be formed during combustion.

Hazardous Polymerization:

Not expected to occur

~~~~ SECTION 11 ~~~~ TOXICOLOGICAL INFORMATION ~~~~

*Data is for individual components of preparation.

Materials having a known chronic/acute effects on eyes:

NO DATA

Materials having a known dermal toxicity.

Titanium Dioxide CAS#13463-67-7 Dermal LD50 (rabbit) >10 g/kg

Materials having a known oral toxicity.

TITANIUM DIOXIDE CAS#13463-67-7 Oral LD50 (rat) >25 g/kg

Materials having a known Inhalation hazard:

TITANIUM DIOXIDE CAS#13463-67-7 LC50 (rat)>6.82 mg/l(4 hr)

Identified Acute/ Short-term Effects:

Headache, nausea, abdominal pain and irritation of the nose, throat and lungs. Skin and eye irritation.

Identified Carcinogens/Longterm Effects:

There are no reported health effects associated with repeated or prolonged exposure to pure calcium carbonate. Chronic exposure to limestone dust at concentrations exceeding occupational exposure limits may cause pneumoconiosis (lung disease). This product contains crystalline silica (quartz) as an impurity. Chronic exposure to crystalline silica dust at concentrations exceeding occupational exposure limits may cause silicosis. The NTP's Ninth Report on Carcinogens lists crystalline silica (respirable size) as a known human carcinogen. IARC concluded that there is sufficient evidence in humans for the carcinogenicity of inhaled (respirable) crystalline silica. IARC has classified Titanium Dioxide as a Class 2B Possibly carcinogenic to humans

Identified Teratogens:

NO DATA

Identified Reproductive toxins :

NO DATA.

Identified Mutagens:

NO DATA.

~~~~ SECTION 12 ~~~~ ECOLOGICAL INFORMATION ~~~~

Ecotoxicological effects on plants and animals:

Titanium Dioxide CAS#13463-67-7 96 Hr LC50 (Fathead minnows)>1,000 mg/l

Chemical Fate :

This product is not expected to be biodegradable. Avoid spillage into the environment.

~~~~ SECTION 13 ~~~~ DISPOSAL CONSIDERATIONS ~~~~**Instructions:**

Dispose of unused product or contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures. Incineration is acceptable and the preferred method of disposal, however; nitrogen oxide emissions controls may be required to meet specifications. Chemical and biological degradation is possible. Empty containers will retain product residue and vapors and are subject to proper waste disposal, as above.

~~~~ SECTION 14 ~~~~ TRANSPORT INFORMATION ~~~~**Shipping Information:**

DOT INFORMATION: 49 CFR 172.101
DOT DESCRIPTION: NON HAZARDOUS

~~~~ SECTION 15 ~~~~ REGULATORY INFORMATION ~~~~

(Not meant to be all inclusive-selected regulations represented)

US Regulations:**Status Of Substances Lists:**

The Concentrations Shown In Section II Are Maximum Ceiling Levels (Weight %) to be used for calculations for regulations. A reportable quantity is a quantity of a hazardous substance that triggers reporting requirements under the Comprehensive Environmental Response Compensation And Liability Act (CERCLA). If a spill of a substance exceeds it's reportable quantity (RQ) in CFR 302.3, Table 40 302.4 Appendix A & 302.4 Appendix B, the release must be reported to The National Response Center At (800) 424-8802, The State Emergency Response Commission (SERC), And community emergency coordinators likely to be affected.

Components present that could require reporting under the statute are:

NONE KNOWN

Superfund Amendments And Reauthorization Act Of 1986 (SARA) Title III Requires emergency planning based on the Threshold Quantities (TPQ'S) and release reporting based on Reportable Quantities (RQ'S) In 40 CFR 355 Appendix A&B Extremely Hazardous Substances. The emergency planning and release requirements of 40 CFR 355 apply to any facility at which there is present any amount of any extremely hazardous substance (EHS) equal to or in excess of it's Threshold Planning Quantity (TPQ).

Components present that could require reporting under the statute are:

NONE KNOWN

EPCRA 40 CFR 372 (Section 313) Requires EPA and the States to annually collect data on releases of certain toxic materials from

industrial facilities, and make the data available to the public in the Toxics Release Inventory (TRI). This information must be included in all MSDS'S that are copied and distributed or compiled for this material. Reporting Threshold: Standard: A facility must report if it manufactures (including imports) or processes 25,000 pounds or more or otherwise uses 10,000 pounds or more of a listed toxic chemical during the calendar year.

Components present that could require reporting under the statute are:

See Section II

The components of this product are listed or excluded from listing on the US Toxic Substance Control Act (TSCA) chemical substance inventory. Mixtures shall be assumed to present the same health hazards as do the components which comprise one percent (by weight or volume) or greater of the mixture, except that the mixture shall be assumed to present a carcinogenic hazard if it has a component in concentrations of 0.1 percent or greater. The remaining percentage of unspecified ingredients, if any, are not contained in above DeMinimis concentrations and/or are believed to be non-hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200), and may consist of pigments, fillers, defoamers, wetting agents, resins, dryers, anti-bacterial agents, water and/or solvents in varying concentrations.

International Regulations:

Canadian WHMIS:

This product is not listed in any division, class, or subdivision.

This Product Contains the following in recordable amounts:

Titanium Dioxide CAS#13463-67-7

WHMIS Classification: D2A

WHMIS Health Effects Criteria Met by this Chemical:

Very toxic material causing other toxic effects

Canadian Environmental Protection Act (CEPA):

All of the components of this product are exempt or listed on the DSL/NDSL. See Section II For Composition/Information on Ingredients.

EINECS:

All of the components of this product are listed in the EINECS inventory or are exempt from notification requirements.

State Regulations:

California:

California Proposition 65: The following Statement is made in order to comply with The California Safe Drinking Water and Toxic Enforcement Act of 1986

"WARNING: This product contains the chemical(s) appearing below known to the State of California to:

A: Cause Cancer

NONE KNOWN

IN ADDITION TO THE ABOVE NAMED CHEMICALS, IF ANY, THIS PRODUCT MAY CONTAIN TRACE AMOUNTS OF SOME CHEMICALS CONSIDERED BY THE STATE OF CALIFORNIA TO BE CARCINOGENS OR REPRODUCTIVE TOXICANTS.

*If tinted contains Carbon Black: CAS#1333-86-4 and may also contain trace amounts of Crystalline Silica: CAS#14808-60-7

B: Cause Birth Defects or other Reproductive Harm :

NONE KNOWN

In addition to the above named chemical(s) (if any), this product may contain trace amounts of chemicals, known to the State of California, to cause Cancer or Birth Defects and other Reproductive Harm

Delaware:

NONE KNOWN

Florida:

NONE KNOWN

Idaho:

NONE KNOWN

Calcium Carbonate CAS#13765-16-0

Idaho Air Pollutant List:

Title 585--AAC: 0.5 Title 586--AAAC: 5.6E-04

Title 585--EL: 0.67 Title 586--EL: 3.7E-04

Title 585--OEL: -- Title 586--OEF: 1.2E-04

Massachusetts:

CALCIUM CARBONATE, CAS#1317-65-3

SUBSTANCE CODES:4

Titanium Dioxide CAS#13463-67-7 SUBSTANCE CODES:4

Michigan:

NONE KNOWN

Minnesota:

THE FOLLOWING ARE LISTED IN THE MINNESOTA HAZARDOUS SUBSTANCES LIST

| CHEMICAL NAME | CAS# | CODES | HAZARDS | CARCINOGEN? |
|-------------------|-----------|-------|---------|-------------|
| CALCIUM CARBONATE | 1317-65-3 | A | -- | NO |

Titanium Dioxide CAS#13463-67-7

Listed In The Minnesota Hazardous Substances List:

Codes: A
 Hazards: --
 Carcinogen? NO

New Jersey:

NONE KNOWN

New York:

NONE KNOWN

Pennsylvania:

CALCIUM CARBONATE CAS#1317-65-3 CODE:E

Titanium Dioxide CAS#13463-67-7 CODE:--

Washington:

WASHINGTON AIR CONTAMINANT:

CALCIUM CARBONATE (RESPIRABLE) CAS#1317-65-3

WA ppm mg/Cubic Meter

TWA UNK 5

STEL UNK UNK

CEILING UNK UNK

SKIN:UNK

Titanium Dioxide (Total Dust) CAS#13463-67-7

| | | |
|-----------------------------|-----|----------------|
| Washington Air Contaminant: | ppm | mg/Cubic Meter |
| TWA | UNK | 10 |
| STEL | UNK | UNK |
| CEILING | UNK | UNK |
| SKIN:UNK | | |

Wisconsin:
NONE KNOWN

West Virginia
The following is on the West Virginia Toxic Air Pollutant List:
Calcium carbonate CAS#1317-65-3 (Pounds per Year):

~~~~ SECTION 16 ~~~~ OTHER INFORMATION ~~~~

**HMIS® III**

**Health** :  
**Flammability** :  
**Physical Hazard** :

\*Following Health rating Indicates Chronic/Carcinogenic Effects

**HMIS® III Personal Protection** :

This rating is for the product as it is packaged. This rating will need to be adjusted by the user based on conditions of use.

The information contained herein relates only to the specific material identified. United Coatings believes that such information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information. To assure proper use & disposal of these materials & the safety & health of employees & customers, United Coatings urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.

# MATERIAL SAFETY DATA SHEET

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## Section 1 – PRODUCT AND COMPANY IDENTIFICATION

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Product Name : **PremiumCoat Fabric** All lengths and widths  
Product Code: 2004-004, 2004-006, 2004-008, 2004-012, 2004-016, 2004-020, 2004-024, 2004-040, & 2005-400  
MSDS Date: 08/30/08 (This MSDS supersedes all previous versions)

## Section 2 – HAZARDOUS INGREDIENTS

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There are no hazardous ingredients in this material as defined in OSHA 29 CFR Part 1910.1200

## Section 3 – PHYSICAL DATA

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Most physical data (such as vapor pressure and flash point) applicable to chemicals do not apply to the above products (which are “articles” per OSHA standard).

Polyester- Melt Point: approx. 490 degrees F or 250 degrees C  
specific gravity: 1.38

## Section 4 – HEALTH HAZARD DATA

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Exposure to Hydro-Stop PremiumCoat fabrics described in this MSDS should pose no health risks or problems during normal conditions of use.

## Section 5 – FIRE-FIGHTING MEASURES

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### FIRE/COMBUSTION PRODUCTS

Polyester fabrics will melt at approximately 490 degrees F and typically will burn when exposed to sufficient flame. Combustion and decomposition gases and products may consist of carbon, hydrogen, oxygen and nitrogen in various combinations. Fire fighters should take precautions against breathing combustion gases. Molten polyester can cause severe burns to the skin.

## **Section 6 – SAFETY AND CONTROL MEASURES**

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**Customary personal hygiene measures such as washing hands after working with fabrics are recommended. Adequately ventilated workspaces are recommended. Avoid breathing any dust that may evolve during processing.**

## **Section 7 – EMERGENCY AND FIREST AID**

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**No problems are anticipated from normal exposure to Hydro-Stop PremiumCoat fabrics. However, should exposure result in skin, eye or other irritation, the individual should be removed from the area of exposure and be provided applicable first aid or medical attention.**

### **DISCLAIMER**

**Hydro-Stop LLC MSDS personnel believe that the information in this MSDS is accurate and true. It is given in good faith but without any guarantees. In that conditions of use are beyond our control, Hydro-Stop LLC assumes no liability regarding the use of the product(s) represented by this MSDS. All risks are assumed by the user.**