



# SAFETY DATA SHEET

## SECTION 1 - Chemical Product and Company Information

Product Name: HYDRO-PURE WHITE TOPCOAT 20 DEG Product Code: HPUREW-1020

Manufactured by:  
**Gemini Coatings**  
2300 Holloway Drive  
El Reno, OK 73036  
800-262-5710

**24- Hour Emergency (Spill, Leak, Exposure or Accident):**  
**INFOTRAC 800-535-5053**  
**Outside USA, Call Collect 1-352-323-3500**

**24- Hour Emergency HAZMAT Response and MSDS Help:**  
**EMI 800-510-8510**

Product Use: A protective and/or decorative finish or accompanying product (reference label or product data sheet for more information).

Not recommended for: Any other use not detailed on product data sheet or label.

## SECTION 2 - Hazards Identification

### GHS Ratings:

Carcinogen	1A	Known Human Carcinogen Based on human evidence
Reproductive toxin	1A	Based on human evidence

### GHS Hazards

H350	May cause cancer
H360	May damage fertility or the unborn child

### GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P281	Use personal protective equipment as required
P308+P313	IF exposed or concerned: Get medical advice/attention
P405	Store locked up
P501	Do not flush to sewer, watershed or waterway. Dispose of product in accordance with applicable local, county, state and federal regulations.

Signal Word:



## SECTION 3 - Composition/Information on Ingredients

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Titanium dioxide 13463-67-7 10% - 20%	15 mg/m3 TWA (total dust)	10 mg/m3 TWA	

Aluminum hydroxide (Al(OH) 3) 21645-51-2 1% - 5%			
Silica, amorphous 7631-86-9 1% - 5%			NIOSH: 6 mg/m3 TWA

#### SECTION 4 - First Aid Measures

##### Inhalation:

Remove exposed individual to fresh air and assist breathing if necessary. Vapor or mist can cause headache, nausea and irritation of the nose, throat and lungs in poorly ventilated areas.

##### Eye Contact:

Direct contact may cause eye irritation. Flush eyes with lukewarm water for 15 minutes. Seek medical attention immediately.

##### Skin:

Irritating to the skin on repeated or prolonged contact. Remove contaminated clothing, wash area immediately with soap and water. See physician if irritation persists.

##### Ingestion:

Can cause gastrointestinal irritation. Rinse mouth out immediately. DO NOT induce vomiting. Contact physician or poison control center immediately.

#### SECTION 5 - Fire Fighting Measures

Alcohol Foam, CO2, Dry Chemical

Closed containers exposed to extreme heat may rupture due to pressure buildup. Product will not burn but may spatter if temperature exceeds boiling point of product.

Dried finish can burn, giving off oxides of carbon.

None known. However, fire fighters should wear self-contained breathing apparatus to avoid inhalation if material is involved in a general fire.

#### SECTION 6 - Accidental Release Measures

Keep out of sewers. Dike spill area and add absorbent earth, sand or sawdust to spilled liquid. Collect absorbent/spilled liquid into metal containers. Dispose of in accordance with local, state and federal regulations. DO NOT incinerate closed containers. Incinerate in approved facilities. Follow all hazard precautions given in this data sheet until container is thoroughly cleaned and destroyed.

#### SECTION 7- Handling and Storage

##### Handling:

Bond and ground metal containers when transferring liquid. Avoid free fall of liquid in excess of a few inches. Personnel should avoid inhalation of vapors. Personal contact with the product should be avoided. Should contact be made, remove saturated clothing and flush affected skin areas with water. Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in this sheet must be observed.

\*\* Keep temperature above 32 Degrees F.

##### Storage:

Keep containers tightly closed when not in use. Keep product containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. DO NOT SMOKE in or near storage areas. KEEP FROM FREEZING.

#### SECTION 8 - Exposure Controls/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
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Titanium dioxide 13463-67-7	15 mg/m3 TWA (total dust)	10 mg/m3 TWA	
Aluminum hydroxide (Al(OH) 3) 21645-51-2			
Silica, amorphous 7631-86-9			NIOSH: 6 mg/m3 TWA

Provide general clean air dilution or local exhaust ventilation in volume and pattern to keep the air contaminant concentration below applicable exposure limits.

Avoid prolonged or repeated breathing of vapors.

#### Respiratory Protection:

If exposure exceeds TLV or PELs, use NIOSH approved respirator to prevent overexposure.

#### Skin Protection:

Polyethylene handling gloves for skin protection. Must be impervious to water and soap.

#### Eye Protection:

Wear splash proof goggles and face shield if there is a likelihood of contact with eyes. Provide eyewash station and emergency shower. Use of protective creams, head caps, etc. is recommended.

#### Hygienic Practices

Wash hands thoroughly before eating or using the restroom. Remove contaminated clothing immediately and do not wear again until it has been properly laundered.

### SECTION 9 - Physical and Chemical Properties

<p><b>Vapor Density</b> Heavier Than Air</p> <p><b>Boiling range:</b> 100 - 3000°C</p> <p><b>Freezing point:</b> N/A</p> <p><b>Flammability:</b> N/A</p> <p><b>Autoignition temperature:</b> N/A</p> <p><b>Relative Density:</b> N/A</p> <p><b>Odor threshold:</b> N/A</p> <p><b>SPECIFIC GRAVITY</b> 1.2307</p> <p><b>Partition coefficient (n- N/A octanol/water):</b></p> <p><b>Grams VOC less water:</b> N/A</p> <p><b>% WT. VOLATILE (VOC)</b> 0.1490</p> <p><b>Lbs VOC/Gallon Solids</b> 0.0397</p> <p><b>SOLIDS VOL%</b> 38.4637</p> <p><b>SPREAD @ 1 MIL</b> 616.9583</p> <p><b>Appearance</b> Colored Liquid</p> <p><b>Physical State</b> Liquid</p> <p><b>Coating VOC (g/l)</b> 4.7272</p> <p><b>Coating VOC (Lb/Gl)</b> 0.0394</p>	<p><b>Evaporation Rate</b> Slower than Butyl Acetate</p> <p><b>Melting point:</b> N/A</p> <p><b>Flash point:</b> 999°F,999°C</p> <p><b>Explosive Limits:</b> N/A</p> <p><b>Decomposition temperature:</b> N/A</p> <p><b>Vapor Pressure</b> N/A</p> <p><b>pH:</b> N/A</p> <p><b>Solubility:</b> N/A</p> <p><b>Viscosity:</b> N/A</p> <p><b>% VOLUME VOLATILE (VOC)</b> 0.2394</p> <p><b>% Pig. by wt.</b> 20.3814</p> <p><b>VOLATILE WT%</b> 50.0561</p> <p><b>DENSITY (Lb/Gal)</b> 10.2483</p> <p><b>HAPS (lbs/gl)</b> 0.0132</p> <p><b>Odor</b> N/A</p> <p><b>Material VOC (g/l)</b> 1.8296</p> <p><b>Material VOC (Lb/Gl)</b> 0.0153</p>
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### SECTION 10 - Stability and Reactivity

**Stability:** Stable under normal conditions.

**Materials to Avoid:** None known.

**Conditions to avoid:** Excessive heat, poor ventilation, excessive aging.

**Hazardous Decomposition:** Thermal decomposition or combustion can produce fumes of carbon dioxide and carbon monoxide.

Hazardous polymerization will not occur.

## SECTION 11 - Toxicological Information

### Mixture Toxicity

### Component Toxicity

**Primary Routes of Entry:** Inhalation, Skin Contact, Eyes, Ingestion

#### Skin:

Skin contact can cause redness, dryness or rash. Prolonged contact can cause irritation, dry skin, cracks, and dermatitis.

#### Ingestion:

Can cause vomiting, nausea, diarrhea, and gastrointestinal irritation.

#### Inhalation:

Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea. Breathing high vapor concentrations may produce narcosis. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentration and inhaling the contents may be harmful or fatal.

#### Eyes:

Can cause irritation, redness, tearing and blurred vision.

**Carcinogenicity:** The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
13463-67-7	Titanium dioxide	10% - 20%	Titanium dioxide: NIOSH: potential occupational carcinogen IARC: Possible human carcinogen OSHA: listed

## SECTION 12 - Ecological Information

### Ecological Information:

Uncontrolled release of the product may result in contamination of air, ground, waterways and/or sewers.

### Component Ecotoxicity

Silica, amorphous	LC50 96 h Brachydanio rerio 5000 mg/L [static] (IUCLID)
	EC50 48 h Ceriodaphnia dubia 7600 mg/L (IUCLID)
	EC50 72 h Pseudokirchneriella subcapitata 440 mg/L (IUCLID)

## SECTION 13 - Disposal Considerations

Do not flush to sewer, watershed or waterway. Dispose of product in accordance with applicable local, county, state and federal regulations. See Section 8 for information on exposure control and necessary personal protective equipment.

## SECTION 14 - Transportation Information

Ship according to the Department of Transportation (DOT) 49 CFR regulations.

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
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**Freight Class:**

## SECTION 15 - Regulatory Information

### California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):

This product contains the following listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

13463-67-7 Titanium dioxide

**The following ingredients are listed in the TSCA Section 8(b) Inventory** (Hydrated forms of chemical substances are exempt from the inventory as mixtures; the anhydrous chemical substances, however, are reportable for the Inventory):

21645-51-2 Aluminum hydroxide (Al(OH)<sub>3</sub>)

7631-86-9 Silica, amorphous

77-90-7 1,2,3-Propanetricarboxylic acid, 2-(acetyloxy)-, tributyl ester

13463-67-7 Titanium dioxide

7732-18-5 Water

### US CAA Section 112 Hazardous Air Pollutants (HAPs) List

- None

### US EPCRA (SARA Title III) Section 313 - Toxic Chemical:

- None

### Hazardous Material Information System (HMIS)

HEALTH	<input type="text" value="3"/>	HMIS & NFPA Hazard Rating Legend * = Chronic Health Hazard 0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH
FLAMMABILITY	<input type="text" value="2"/>	
PHYSICAL HAZARD	<input type="text" value="0"/>	
PERSONAL PROTECTION	<input checked="" type="checkbox"/>	

## SECTION 16 - Disclaimer

Date Prepared: 8/2/2018

Date revised: 2018-08-02

Reviewer Revision 1

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