

THANK YOU

FOR CHOOSING



BEFORE BEGINNING ANY PROJECT

Please review the enclosed training and materials packet in full, including:



1-2-3

Review the Step-By-Step Instructional Video Anytime at:

<https://diyconcrete.com/collections/turn-my-concrete-a-uniform-color>

TURN MY CONCRETE A UNIFORM COLOR

Concrete may be one of the sleekest and strongest surfaces on the planet, but even it can eventually become dirty or discolored. And when exposed to areas subjected to water, grease/oil or heavy use, the unsightly blemishes only become worse.

Stress no more! With this system you can revamp old, boring or mismatched concrete into uniformly colored surfaces that are striking and cohesive in both form and function.

DIFFICULTY RATING



BEFORE YOU BEGIN THIS PROJECT

Please review all of the materials and tools required to ensure you have everything needed for the project.

MATERIALS

- (1) SCR CLEANER/DEGREASER (1 gallon)
- (2) COLORTEC ACRYLIC WB (1 gallon)

TOOLS

- (1) Extendable Brush/Roller/Broom Handle
- (1) 1-Gallon Plastic Pump-Up Sprayer
- (1) 9" Paint Tray
- (1) 4" Roller Frame/Cover
- (1) 9" Roller Frame/Cover
- (1) 2" Painter's Tape
- (1) 48" Masking Film
- (1) Stiff Bristle Brush
- (1) Gloves
- (1) Safety Glasses

STEP 1: PREP

1. Remove any leaves, twigs, rock or other loose particles from the surface with a leaf blower or broom.
2. Consider protecting any finish surfaces near the project by using 48" masking film and blue painter's tape to secure the film to surrounding surfaces.
3. Clean the surface using a pressure washer (3000 psi), or a garden hose and stiff bristle brush, to remove any dirt or accumulated grime. saturate the surface with water before moving on to the next step.

SCR CLEANER/DEGREASER (1 GALLON)

1. Mix 1 part SCR : 2 parts water and pour into a pump-up sprayer.
2. Spray across entire surface and use a stiff bristle brush to work the material down into the substrate.
3. Ensure the surface remains partially damp during the process to allow for good penetration.
4. Neutralize the surface with water and allow to dry before moving on to step 2.



STEP 2: COLOR AND SEAL

COLORTEC ACRYLIC WB (2 x 1 GALLON)

1. Mechanically mix with "Jiffy" style mixer blade for 3 minutes at medium speed for complete dispersal of pigments.
2. cut in edges using a small roller or brush to create a clean line and avoid getting material onto surrounding surfaces.
3. Use a traditional 9" roller to apply a coat across the entire area. roll and back roll as necessary to eliminate roller marks and create a uniform coat. Do not allow puddling.
4. When first coat is able to be walked on (24 hours), it may receive a second coat. To accomplish complete and even color coverage apply a second coat. Customarily two thin coats achieve best performance.
5. Allow 24 hours of curing time before foot traffic.



NEED MORE HELP?

Review the step-by-step instructional video anytime at:

<https://diyconcrete.com/collections/turn-my-concrete-a-uniform-color>

SCR™ TECHNICAL DATA SHEET



DESCRIPTION

SCR™ is a concentrated combination of three commercial-grade cleaning products. **SCR™ utilizes a detergent, degreaser, and hydrochloric acid** to clean and prepare concrete for overlays, stains, sealers, and coatings. The SCR formula quickly dissolves mortar, scale, rust, algae, stains, and mineral deposits such as efflorescence. SCR is a stronger cleaner than citric acid and a safe alternative to muriatic acid, as it contains no toxic heavy metals, or ozone-depleting solvents.

SCR™ will open the pores of the concrete and cement-based overlays aiding concrete coloring systems like reactive acids, water-based stains, and dyes. In addition, it assists in delivering a higher bond strength to exterior concrete acrylic sealers. Its multi-function, environmentally-friendly properties include cleaning and preparing:

- All SureCrete Overlays
- Xtreme Series and D-FRC Castings
- Removing Travertine Powder from Xtreme Series and D-FRC
- Eco-Stain and Eco-Accent Applications
- Application of Super, HS, ColorTec Acrylic Sealers
- Removal of SureRelease and TruTique
- Brick, Mortar, Paver, and Grout Surfaces
- Porcelain
- Vitreous China Surfaces and Fixtures
- Stamp Tools and Molds

MIXING & APPLICATION

Apply in temperatures above freezing and below 90°F (32°C). **SCR™ is a concentrated solution and must be diluted with water.** Water and SCR should be premeasured before combining. **DO NOT** use a hose to fill water into SCR as it will create constant bubbling. Always tighten lid thoroughly after use.

The formula for **proper dilution should be Water: SCR**

Example: 2:1 equals 2-parts water to 1-part SCR

QUICK FACTS

PACKAGING

1 gallon (3.8 L) jug
5 gallon (18.9 L) pail

MIXING RATIO

Varies by application: no dilution to 4:1
(4-parts water to 1-part SCR™)

COVERAGE

Varies upon substrate: 150 square feet per
gallon (14 m² per 3.8 L)

SHELF LIFE

Under normal conditions, when kept dry and moisture free, out of direct sunlight, the shelf life of an unopened container is twelve (12) months from the date of purchase. SCR™ should not be exposed to freezing temperatures, which may rupture container. Rotate inventory to maintain product that is within limits.



Below, you will find the suggested dilution rates for the following applications:

- General Concrete Cleaning
- Exterior Concrete for Overlay
- Interior Concrete for Staining and Overlay
- Cleaning Overlay for Staining and Sealing
- Cleaning XS and D-FRC Casting Pieces
- Cleaning Stamping Tools and Molds

GENERAL CONCRETE CLEANING

1. Dilute SCR™ 2:1 with water
2. Dampen concrete with water from mist of pump-up sprayer or a garden hose trigger nozzle.
3. Apply evenly the 2:1 diluted product across surface of concrete. Best results are achieved by spraying from an acid-resistant pump-up sprayer.
4. While still wet with product, rub concrete with a stiff bristle-broom.
5. Before SCR dries, rinse with a garden hose or power wash with a fan-tipped pressure washer.

SURFACE PREPARATION ON EXTERIOR CONCRETE

1. Dilute SCR™ 2:1 with water
2. Dampen concrete with water from mist of pump-up sprayer or a garden hose trigger nozzle.
3. Apply evenly 2:1* diluted product across surface of concrete. Best results are achieved by spraying from an acid-resistant pump-up sprayer.

4. While still wet with product, rub concrete with a stiff bristle-broom
5. Before SCR dries, power wash with minimum 3,000 PSI (21,000 kPa) pressure washer equipped with a turbo-tip.

SURFACE PREPARATION ON INTERIOR CONCRETE

1. Dilute SCR™ 2:1 with water
2. Dampen concrete with water from mist of pump-up sprayer or a garden hose trigger nozzle.
3. Apply evenly 2:1* diluted product across surface of concrete. Best results are achieved by spraying from an acid-resistant pump-up sprayer.
4. While still wet with product, rub concrete with black pad on a rotational floor machine
5. Keep floor wet with frequent rinsing.
6. Mop residue until rinse water is clear or utilize water extraction equipment.

CLEANING OVERLAY PRIOR TO COLORING OR SEALING

1. Dilute SCR™ 4:1 with water
2. Dampen concrete with water from mist of pump-up sprayer or a garden hose trigger nozzle.
3. Apply evenly 4:1 diluted product across surface of overlay. Best results are achieved by spraying from an acid-resistant pump-up sprayer.
4. While still wet with product, gently brush surface with a soft bristle-broom
5. Before SCR dries, gently rinse with a garden hose or power wash with a fan-tipped pressure washer.

PREPPING XS PRECAST AND XS FACE

1. Dilute SCR™ 3:1 with water
2. Wet XS piece with water from pump-up sprayer or sponge.
3. Brush or sponge 3:1 diluted product onto vertical edges of XS pieces first.
4. Spray or sponge 3:1 diluted product from acid-resistant pump-up sprayer onto surface.
5. While still wet with product, gently brush surface with a soft bristle brush.
6. Rinse immediately. Do not allow diluted product to stand on the surface.

CLEANING STAMPING TOOLS AND MOLDS

1. Dilute SCR™ 4:1 with water (4 parts water to 1 part SCR™)
2. Dampen stamping tools or molds with water from mist of pump-up sprayer or sponge.
3. Spray 4:1 diluted product from acid-resistant pump-up sprayer onto tools or molds.
4. While still wet with SCR, gently brush surface with a stiff bristle brush.
5. Before SCR dries, completely rinse surface.

**NOTE: stronger dilution rates may be required for adequate profile. Power-troweled concrete may require SCR to be used straight. In some cases, proper surface preparation will require mechanical surface preparation (e.g. grinding, shot blasting), such as for ColorTec™ Coatings, DK Flake, and DK Metallic systems.*

SUITABILITY SAMPLE

Due to condition-specific sites, always prepare an adequate number of test areas. Wear protection system and include aesthetic suitable for products' intended use. On-site sample approval is especially critical for a substantial, heavy traffic situation or custom coloration.

CLEAN-UP

Simply rinse with water.

DISPOSAL

Contact your local government household hazardous waste coordinator for information on disposal of unused product.

LIMITATIONS

- For use by trained professionals who have read the complete SDS.
- SCR™ may be corrosive to some metals. ALL metals should be protected.
- SCR is not the best choice for surface preparation for DK or ColorTec™ coating systems. These systems require a CSP (Concrete Surface Profile) 1-3.
- Hard-troweled concrete surfaces may not achieve the appropriate CSP 1-3 profile by just using SCR alone. In these cases, shot-blasting or grinding is recommended.

WARRANTY

Warranty of this product, when used according to the directions, is limited to refund of purchase price or replacement of product (if defective), at manufacturers' or seller's option. SureCrete LLC shall not be liable for the cost of labor or direct and/or incidental consequential damages.

CAUTIONS

KEEP OUT OF REACH OF CHILDREN. Inhalation: Avoid prolonged breathing of airborne dust, particularly present during mixing. Use a NIOSH approved respirator for nuisance if threshold limit values are unsafe. **Skin Contact:** Skin contact may cause irritation. Remove contaminated clothing and wash affected skin with soap and water. Launder clothing before reuse. If symptoms persist, seek medical attention. **Eyes:** Wear safety eye protection when applying. Contact with eyes may cause irritation. Flush eyes with water for 15 minutes. If symptoms persist, seek medical attention.

PROPERTIES

Appearance	Green liquid
Storage Stability	1 year
Odor	Mint
Application Temperature	32°F – 90°F (0°C – 32°C)

SAFETY DATA SHEETS

The following are links to all available safety data sheets related to this product:

[SCR Safety Data Sheet \(SDS\)](#)

MANUFACTURER PART #'S

1 gallon	SKU# 15104002
5 gallon	SKU# 15104003

VOC REGULATORY COMPLIANCE

AIM	OTC	LADCO	CARB	SCAQMD	CANADA
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

COLORTEC ACRYLIC-WB

PIGMENTED WATER-BASED ACRYLIC



View More Info for this Product at
www.surecretedesign.com/product/wb-outdoor-concrete-paint

COLORTEC ACRYLIC-WB

PIGMENTED WATER BASED ACRYLIC



PACKAGING

1 gal. (3.8 L) pail
5 gal. (18.9 L) pail
55 gal. (208 L) drum

COLORS

30 – standard colors
228 – *On-Demand* colors

COVERAGE

Varies upon substrate: approximately 160 - 200 ft² per gal., per coat (14.9 - 18.6 m² per 3.8 L, per coat) 8 – 10 mils wet; 2.4 – 3 mils cured.

SHELF LIFE

Under normal, moisture free conditions 12 months for unopened container.

DESCRIPTION

ColorTec Acrylic-WB™ is a 30% solids, water based, low VOC (<50 g/L), strong binding, color, satin acrylic sealer for Sure-Crete overlays or any cement based product. This product contains a hybrid, self-cross-linking, acrylic resin with built-in water repellence and tenacious penetration and adhesion. It contains no wax or silicone additives. Pigments are specifically formulated for UV stability, will not blush, and retain long gloss retention. **ColorTec Acrylic-WB** is non-flammable and environmentally safe.

SURFACE PREP

The principles for surface preparation for **ColorTec Acrylic-WB** are aligned with other coating systems placed on concrete or cement based overlays, the substrate must be:

1. Clean: The surface must be free of dust, dirt, oil, grease, paints, glues, non-acrylic sealers, curing agents, efflorescence, chemical contaminants, rust, algae, mildew and other foreign matter that may serve as a bond breaker.

2. Cured: Any concrete must be sufficiently cured to have complete hydration, approximately 28 days depending on temperatures & humidity. Cement based overlays typically cure sufficiently within 2 – 3 days.

3. Sound: No system should be placed on concrete or cement based overlay that is flaking or spalling. If the surface is delaminating, then diamond grinding, shot blasting, or other mechanical means should be used to remove the delaminating areas.

4. Profiled: Proper profile should follow the standard established by the International Concrete Repair Institute (ICRI) Technical Guideline no. 03732 for Concrete Surface Profile (CSP). The established profile is categorized as CSP-1.

The most common means to properly profile many concrete slabs (especially exterior slabs) is through the use a pressure washer equipped with a turbo-tip and **SCR** (see **SCR** TDS). In one step **SCR** profiles, cleans, and provides a measure of degreasing. Some concrete slabs that are hard troweled may require more aggressive profiling through diamond grinding or shot blasting. Customarily cement based overlays do not require profiling.

Recoats

Pigmented WB may serve as an excellent choice to reseal or refresh an existing decorative concrete project. The surface should be cleaned with a pressure washer and **SCR** (see **SCR** TDS).

- a) Any old, loose and flaky sealer that is still present must be removed.
- Chemically: **Fast-Strip Plus**, **Enviro-Strip** (see appropriate TDS), or other commercial stripper.
 - Mechanically: diamond grinding or shot blasting

b) This product should only recoat an existing water based acrylic. Determine a substrate's unknown existing sealer by placing a

paper towel saturated with xylene over a small area. Cover the towel with plastic and allow it to remain in place for 15 minutes. Solvent based acrylic may feel slippery to the touch, but water based acrylic turns into a slimy mess that can be scraped off easily.

c) Before recoating, prepare on-site a small test area on the intended substrate to establish compatibility and avoid delamination.

d) Recoat applications may be complete with a single coat, always evaluate surface to see if a second coat is needed. Best performance is achieved through thin coat(s).

APPLICATION

Planning

1. Provide for ventilation so that vapors do not accumulate if spraying product.
2. Select appropriate PPE (personal protection equipment). Use of a NIOSH approved respirator may be required in confined area or if spraying. Refer to SDS.

Mask all areas requiring protection.

Temperature / weather

1. Avoid application on extremely cold or hot days or during wet, foggy weather.
2. Apply with ambient and surface temperatures ranging above 50°F (10°C) and below 90°F (32°C) and that will remain within ranges for at least 24 hours following application.
3. Do not apply outside if precipitation is forecast within 24 hours of application.
4. Substrate must be dry throughout all steps.

Mixing

Mechanically mix with "Jiffy" style mixer blade for 3 minutes at medium speed for complete dispersal of pigments. Use caution not to entrain air during mixing.

First coat

Rolling

1. Utilize a bucket grid to apply in a thin film.

2. Roller covers require a solvent resistant core.
3. The correct nap size varies due to texture. For example ¾" is recommended for heavy textured patterns, while ¼" mohair is recommended for very smooth surfaces.
4. Do not allow puddling.
5. Exercise care to eliminate roller tracks through back rolling.

Airless Spraying

1. Airless sprayer should be capable of a minimum .5 gpm discharge.
2. Tip size should be approximately .015" - .019" with 65° fan.
3. For horizontal surface utilize an 8" – 10" extension.
4. Maintain a wet edge between passes.

Pump-up Sprayer

1. Select solvent resistant sprayer.
2. Select fan or cone tip as preferred that can pass 30% solids product.
3. Have sufficient tips on hand to allow clean-up that will not interrupt application.
4. If necessary, backroll sprayed area to lay product flat.

When first coat is able to be walked on, it may receive a second coat. To accomplish complete hide (i.e. complete and even color coverage) a second coat is desired. Customarily two thin coats achieve best performance.

Second Coat

Applies identical to first coat.
 Allow 24 hours cure time prior to foot traffic.
 Allow 72 hours cure time prior to vehicular traffic.

SLIP RESISTANCE

Two recognized US agencies have issued directives on minimum coefficient of friction, OSHA (Occupational Safety and Health Administration) and Department of Justice through the ADA (Americans with Disabilities Act). ADA is the more stringent of the two. ADA directs that accessible walkways have a minimum coefficient of friction of 0.6. Ramps have been directed to be 0.8. The applicator assumes the responsibility to meet these standards. Areas that may become wet, oily, or greasy require special attention. Refer to **SureGrip (Additive)** TDS and its accompanying coefficient of friction table.

SUITABILITY SAMPLE

Due to condition specific sites, always prepare an adequate number of test areas. Wear protection system and aesthetic suitability for products' intended use should be included. On site sample approval is especially critical on substantial, heavy traffic situation, custom coloration, and desired hide.

CLEAN-UP

Before **ColorTec Acrylic-WB** dries; spills and tools can be cleaned up with water.

DISPOSAL

Contact your local government household hazardous waste coordinator for information on disposal of unused product.

LIMITATIONS

- For use by trained professionals that have read the complete SDS.
- Product performs best upon a concrete slab that has no ponding of standing water.
- When masking use caution while taping to a floor that is not completely cured, especially at edges, as delamination may occur.
- Protect from metal wheel traffic and some furniture where point of contact may be damaging.
- Chemicals used in tire manufacturing may be detrimental to all sealers from vehicular parking.

WARRANTY

Warranty of this product, when used according to the directions, is limited to refund of purchase price, or replacement of product (if defective), at manufactures/seller's option. SureCrete Design Products shall not be liable for cost of labor or direct and/or incidental consequential damages.

CAUTIONS

KEEP OUT OF REACH OF CHILDREN. Product is flammable. Avoid sources of ignition. Keep areas ventilated to prevent the accumulation of vapors. **Inhalation:** Use NIOSH approved respirator for organic vapors. **Skin Contact:** Skin contact may cause irritation. Remove contaminated clothing and wash affected skin with soap and water. Launder clothing before reuse. If symptoms persist, seek medical attention. **Eyes:** Wear safety eye protection when applying. If contact occurs, flush eyes with water for 15 minutes, seek medical attention.

DESCRIPTIVE DATA

Appearance (cured)	Color satin
Appearance (wet)	Color
Water Resistance	Excellent, beads water
Mechanical Stability	Excellent
Light Stability	Excellent
Solids	30%
Diluent	Hydrocarbons
Storage Stability	1 year
Odor	Slight ammonia / banana
Application Temperature	50°F – 90°F (10° - 32°C)
VOC content	<50 g/L

TEST DATA

Test	ASTM (if applicable)	Results
Blush	4 hr. dry / 18 hr. immersion	No blush
Adhesion	D-3359	
Dry Concrete		Excellent
Wet Concrete		Excellent
QUV accelerated weather testing	G-53	250 hr. – no blistering, no yellowing
Abrasion resistance		12.5 grams loss
Block resistance	D-4946	Excellent
Heat stability @ 120°F (49°C)	D-1849	Excellent
Film formation @ 40°F (4°C)		Passed
Water absorption		2.4 g /m ³
Pencil hardness	D-3363	HB-H
Hot tire pick-up		Passed*

*Under extreme circumstances delaminating could occur. All tire manufacturers were not tested. Chemicals used in tire manufacturing may be detrimental to all sealers from vehicular parking.

CHEMICAL RESISTANCE

TESTING ASTM D-1308	
Transmission fluid	Resistant
Gasoline	Remove immediately
Formula 409	Resistant
Motor oil	Resistant
Brake fluid	Remove immediately

SAFETY DATA SHEETS

The following are links to all available safety data sheets related to this product:

- [sealers-sureseal-pigmented-wb-sds.pdf](#)

SAFETY DATA SHEET

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Date Revised: 11/30/18

Date Printed: 7/18/23

SECTION 1 - IDENTIFICATION

PRODUCT NAME: SCR
PRODUCT CODE: SC-15104002
RECOMMENDED USE: PAINT OR PAINT RELATED MATERIAL

MANUFACTURER: SURECRETE DESIGN PRODUCTS
ADDRESS : 15486 US HWY 301
DADE CITY, FL 33523 USA
TELEPHONE: 352-567-7973 E-mail: safety@fenixspc.com
24 HOUR EMERGENCY PHONE: CHEMTREC 1-800-424-9300

SECTION 2 - HAZARDS IDENTIFICATION

HAZARD RISK CLASSIFICATION

SIGNAL WORD: DANGER

PICTOGRAM:

GHS05 - CORROSION GHS07 - EXCLAMATION MARK

HAZARD CLASS	HAZARD CATEGORY
CORROSIVE TO METALS	CATEGORY 1
SKIN CORROSION / IRRITATION	CATEGORY 1
TOXIC TO SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	CATEGORY 3

HAZARD STATEMENTS:

H290 May be corrosive to metal.
H303 May be harmful if swallowed
H314 Causes severe skin burns and eye damage
H335 May cause respiratory irritation

PRECAUTIONARY STATEMENTS:

PREVENTION:

P234 Keep only in original packaging.
P260 Do not breath dusts/fume/gas/mist/vapors or spray.
P264 Wash hands and any exposed area thoroughly after handling.
P280 Wear protective impervious gloves/ OSHA approved eye
protection/face protection.
P285 In case of inadequate ventilation wear appropriate organic vapor
respiratory protection.

RESPONSE:

P301+P312 If swallowed: Call a Poison Center / doctor if you feel unwell.
P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
P304+P340 If inhaled: Remove person to fresh air and keep comfortable for
breathing.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor/ emergency responder.
P321 Specific treatment (see on this label)
P330 Rinse mouth.
P342+P311 If experiencing respiratory symptoms: Call a Poison

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Center/doctor.

P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.

STORAGE:

P405 Store locked up.
P406 Store in corrosive resistant/ . . . container with a resistant inner liner.

DISPOSAL:

P501 Store separately. Dispose of contents/ container in accordance with local/ regional/national /international regulations.

OTHER HAZARDS: NONE KNOWN

HMIS RATING: H F R PPE
1 0 0 B

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	WEIGHT		EXPOSURE LIMITS		
		PERCENT	OSHA PEL	ACGIH TLV	OTHER	
+*^ Hydrogen Chloride	7647-01-0	5.03		5 PPM	5 PPM	

* Chemical(s) that are chronic health hazards. Refer to section 3 for further information.

+ Toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

^ Hazardous Air Pollutant established by the EPA as directed by the Clean Air Act of 1990.

SECTION 4 - FIRST AID MEASURES

PRIMARY ROUTES OF EXPOSURE:

Skin contact.

DESCRIPTION OF FIRST AID MEASURES:

EYES: Flush with large amounts of water for 15 minutes, lifting upper and lower eyelids. If irritation persists seek medical attention.

SKIN CONTACT: Wash contaminated area with soap and water. Remove and launder contaminated clothing.

INGESTION: If a large amount is ingested, give water or milk and induce vomiting. Seek medical attention.

INHALATION: Remove victim to fresh air and provide oxygen if breathing is difficult. If breathing has stopped administer artificial respiration. Seek medical attention if condition persists.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

EYES: Contact with eyes may result in permanent visual loss unless removed quickly by thorough irrigation with water.

SKIN: Corrosive to skin and mucous membranes. Contact with skin may cause severe irritation and burns. May be absorbed through skin in toxic amounts.

INHALATION: Contact with liquid, mist, or vapor can cause immediate irritation or corrosive burns to all human tissue. Inhalation of concentrated vapor or mist will damage upper respiratory tract and lung tissues.

INGESTION: May be fatal if swallowed in sufficient amounts. Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Small amounts aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury.

CHRONIC HEALTH EFFECTS:

Repeated exposure may cause chronic bronchitis or respiratory inflammation. Repeated skin contact with dilute solutions

SAFETY DATA SHEET

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may cause dermatitis.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

No known effects on other illnesses.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Treat symptomatically.

===== SECTION 5 - FIRE AND EXPLOSION HAZARD DATA =====

SUITABLE EXTINGUISHING MEDIA:

This material will not burn in its liquid state unless heated above its flash point. Dried films may burn and can be extinguished by water spray, foam, dry chemical or carbon dioxide.

SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

In the event of fire, harmful vapors including carbone monoxide, carbond dioxide, and others may be released. There is the possibility of pressure buildup in closed containers when heated. Water spray may be used to cool these containers.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:

Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment. Isolate danger area, keep unauthorized personnel out.

===== SECTION 6 - ACCIDENTAL RELEASE MEASURES =====

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: Evacuate area and keep unnecessary and

unprotected personnell from entering the spill area. Use proper personal protective equipment listed in section 8.

ENVIRONMENTAL PRECAUTIONS: Keep runoff from storm sewars, ditches, streams, lakes and other ground waters and

waterways.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP:

Contain all spills. Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize. Collect into suitable contaners and dispose of properly in accordance with all applicable regulations. (See Section 13) Rinse affected area thoroughly with water.

===== SECTION 7 - HANDLING AND STORAGE =====

PRECAUTIONS FOR SAFE HANDLING:

Employees who come in contact with this material must be trained in accordance to 1910.1200 of the Hazard Communicatin Standard. Wear chemical resistant gloves and protective clothing to minimize contact. The use of respiratory protection is advised when spraying because of mist and dust overspray.

PRECAUTIONS FOR SAFE STORAGE:

Keep from freezing; material may coagulate. The minimum recommended storage temperature is 34F/1C, the maximum recommended storage temperature is 120F/49C. Keep away from incompatable materials (see section 10). Keep containers tightly closed. It is advised that material be used within 1 year of manufacture, rotate stock.

OTHER PRECAUTIONS:

All empty containers should be disposed of in an environmentally safe manner in accordance with all governmental regulations.

===== SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION =====

CONTROL PARAMETERS: SEE SECTION 3 FOR OCCUPATIONAL EXPOSURE LIMIT VALUES

ENGINEERING CONTROLS: General room ventilation is adequate.

PERSONAL PROTECIVE EQUIPMENT:

RESPIRATORY PROTECTION:

No special requirements under normal use conditions. In confined areas, or areas with poor ventilation, engineering controls should be used to minimize exposure. Use NIOSH/MSHA approved respirator if conditions warrant.

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PROTECTIVE GLOVES:

Prevent prolonged or repeated contact by wearing chemical resistant gloves and other appropriate protective clothing. Launder contaminated clothing before reuse.

EYE PROTECTION:

Wear safety glasses to reduce eye contact potential. Chemical safety goggles (ANSI Z87.1 or approved equivalent) are appropriate if splashing is likely. Eye washes must be available where eye contact can occur.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

A source of clean water should be available for flushing eyes and skin. Showers should be available if larger spills are possible.

WORK/HYGIENIC PRACTICES:

Efforts should be made to minimize contact and spills. Always wash hands before eating, drinking, or smoking. Clean up spills promptly. Follow OSHA and company guidelines.

===== SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES =====

APPEARANCE/PHYSICAL STATE: Liquid

COLOR: Clear (Water white)

ODOR: Characteristic

pH: Not Determined

ODOR THRESHOLD: Not measured

SOLUBILITY IN WATER: Dilutable

MELTING/FREEZING POINT: Not Determined

BOILING POINT/RANGE: n/a

SPECIFIC GRAVITY (H₂O=1): 1.02

VAPOR DENSITY: Greater Than Air

EVAPORATION RATE: Not Determined

FLAMMABILITY: Not determined

FLASH POINT: No flashn/a

VAPOR PRESSURE: Not Determined

UPPER EXPLOSION LIMIT: n/a

AUTO-IGNITION TEMPERATURE: Not Determined

LOWER EXPLOSION LIMIT: n/a

PARTITION COEFFICIENT: Not Available

DECOMPOSITION TEMPERATURE: Not Available

VISCOSITY: Not Determined

COATING V.O.C.: 0 g/l (0.0 lb/gl)

===== SECTION 10 - STABILITY AND REACTIVITY DATA =====

REACTIVITY: Will not occur.

CHEMICAL STABILITY:

Stable under normal conditions and handling.

POSSIBILITY OF HAZARDOUS REACTIONS:

No hazardous reactions if stored and handled as prescribed/indicated.

CONDITIONS TO AVOID:

None known

INCOMPATIBLE MATERIALS:

Highly reactive with most metals - produces flammable hydrogen. Reactions with alkalis and active metals generate an exotherm. Mixing with strong oxidizers can produce poisonous chlorine gas. Reacts with cyanides to produce hydrogen cyanide and with sulfides producing hydrogen sulfide.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Combustion may liberate toxic byproducts such as carbon dioxide, and carbon monoxide, various oxides of carbon and nitrogen. Thermal decomposition may liberate acrylic monomers and ammonia. Explosive hydrogen gas is generated by the action of acid on most metals. Chlorine gas is released when acid is mixed with strong oxidizers. Reacts with formaldehyde to product bischloromethyl ether, on OSHA regulated carcinogen.

===== SECTION 11 - TOXICOLOGICAL INFORMATION =====

SENSITIZATION:

None known.

CARCINOGENICITY:

There is no data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.

REPRODUCTIVE TOXICITY:

There is no data available to indicate any components present at greater than 0.1% may present reproductive toxicity.

TERATOGENICITY (BIRTH DEFECTS):

There is no data available to indicate any components present at greater than 0.1% may cause birth defects.

MUTAGENICITY:

There is no data to indicate that any component present at greater than 0.1% will alter DNA.

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SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY:

No data available.

PERSISTENCE AND DEGRADABILITY:

Not readily degradable.

BIOACCUMULATIVE POTENTIAL:

No data available.

MOBILITY IN SOIL:

No data available.

OTHER ADVERSE EFFECTS: No known effects or critical hazards. No data available. This product is an acidic and corrosive. It can be neutralized with lime.

SECTION 13 - DISPOSAL CONSIDERATIONS

Material is considered a hazardous waste under RCRA due to pH (less than or equal to 2 or greater than or equal to 12.5). Spills may be reportable to state and federal agencies under the Clean Water Act. Comply with all federal, state, and local environmental regulations concerning disposal.

SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: (UN #, SHIPPING NAME, HAZARD CLASS, PACKING GROUP)

UN1789, Hydrochloric Acid Solution, 8, II

SECTION 15 - REGULATORY INFORMATION

US TOXIC SUBSTANCE CONTROL ACT (TSCA):

All ingredients of this product are listed, or are excluded from listing, on the US Toxic Substances Control Act (TSCA) chemical substance inventory.

SARA 302 EXTREMELY HAZARDOUS SUBSTANCE: None

SARA 311/312 HAZARDOUS CHEMICAL: See Section 3

SARA 313 (TRI REPORTING):

This product does contain a chemical(s) subject to the reporting requirements of SARA Title III, Section 313 (40CFR 372). See section 3.

STATE LISTED COMPONENTS	CAS NUMBER	STATE CODE
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CALIFORNIA PROPOSITION 65

This product does not contain a chemical known to the state of California to cause cancer, birth defects or reproductive harm, subject to the requirements of California Proposition 65.

SECTION 16 - OTHER INFORMATION

REVISION DATE: 11/30/18

This version replaces all previous versions. The information contained in this SDS and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Although certain hazards are described herein, The Sierra Company, LLC, cannot guarantee that these are the only hazards that exist. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall The Sierra Company, LLC, assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. The Sierra Company, LLC, expressly disclaims any representations and warranties of any kind, whether express or implied, as to the accuracy, completeness, non-infringement, merchantability and/or fitness for a particular purpose with respect to any information and recommendations provided. The Sierra Company, LLC, reserves the right to make any changes to the information and/or recommendations at

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any time, without prior subsequent notice.



SAFETY DATA SHEET

SECTION 1 Product and Company Identification

Product

Product Name: [ColorTec Acrylic WB \(DTB\)](#)

Product Description: Water Based Pigmented Acrylic Sealer

Intended Use: Sealer for cementitious surfaces

Company

Manufacturer: SureCrete Design Products, Inc.

15246 Citrus Country Drive

Dade City, FL 33523

USA

Contact: 1-352-567-7973 (telephone general)

1-800-262-8200 Chemtrec

+1 703-741-5500 Chemtrec International

info@surecretedesign.com (e-mail)

1-352-521-0973 (facsimile)

SECTION 2 Hazards Identification

Classification of substance or mixture:

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

No need for classification according to GHS criteria for this product.

GHS Label Elements: The product does not require a hazard warning label in accordance with GHS criteria.

Emergency Overview:

No particular hazards known.

Use with local exhaust ventilation.

Wear full face shield if splashing hazard exists.

Wear protective clothing.

Hazard Symbol: None.

Hazard Ratings

	<i>health</i>	<i>flammability</i>	<i>reactivity</i>
HMIS	1	0	0
NFPA	1	0	0

SECTION 3 Composition / Information on Ingredients

This material is regulated as a mixture.

The chemical identity and concentration or concentration ranges of all ingredients which are hazardous within the meaning of the GHS are present below their cut-off levels (i.e. <0.1% for reproductive toxicity, carcinogenicity and category 1 mutagenicity and <1% for all other hazard classes).

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



SECTION 4 First Aid Measures

General advice: Get medical advice/attention if you feel unwell.

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: Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

Inhalation: IF INHALED: Call a POISON CENTER or doctor if you feel unwell.

Ingestion: Do NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Most important symptoms and effects, both acute and delayed

Symptoms: No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians: Treat symptomatically.

SECTION 5 Fire Fighting Measures

Appropriate Extinguishing Media: Foam, CO₂, Dry chemical, water spray or fog. Not to be used for safety reasons: strong water jet.

Fire Fighting Instructions: Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel. Contaminated extinguishing water must be disposed of in accordance with official regulations.

Unusual Fire Hazards: Harmful vapors. Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Hazardous Combustion Products: Burning produces heavy smoke. Fire may produce irritating and/or toxic gases. In the event of fire and/or explosion do not breathe fumes. Incomplete combustion products, Smoke, Fume, Oxides of carbon.

SECTION 6 Accidental Release Measures

Personal Precautions, Protective Equipment, Emergency Procedures: Use personal protective clothing. Avoid breathing vapors or mists. Use personal protective equipment as required.

Methods and Materials for Containment and Clean-up

Small Spills: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with regulations. Clean with detergents. Avoid solvent cleaners. Clean contaminated surface thoroughly.

Large Spills: Pump off product.

Environmental precautions: Do not discharge into drains/surface waters/groundwater.



SECTION 7 Handling and Storage

Precautions for safe handling: Use personal protection recommended in Section 8. Never use pressure to empty container. Comply with the health and safety at work laws. Prevent product from entering drains. Use only with adequate ventilation.

General Hygiene Considerations: When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

Protection against fire and explosion: No special precautions necessary.

Conditions for safe storage: Keep/store only in original container. Store in accordance with local regulations. Keep unauthorized personnel away. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed in a dry and well-ventilated place.

Protect from temperatures below: 0°C

Protect from temperatures above: 100°C

Incompatible materials: Strong oxidizing agents.

SECTION 8 Exposure Control / Personal Protection

Personal protective equipment

Respiratory protection: Wear respiratory protection if ventilation is inadequate. Respiratory protection in case of vapor/aerosol release.

Hand protection: There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical / chemical damage and poor maintenance.

Eye protection: Safety glasses with side-shields (or goggles).

General safety and hygiene measures: Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Eye wash fountains and safety showers must be easily accessible.

SECTION 9 Physical and Chemical Properties

General

Appearance: Milky liquid.

Physical state: Liquid.

Form: Liquid.

Color: Milky.

Odor: Mild, acrylic like

Odor threshold: Not available.



Safety Data

pH: Not available.
Freezing point: 32 °F (0 °C)
Initial boiling point: 212 °F (100 °C)
Flash point: 219 °F (104 °C)
Evaporation rate: Not available.
Flammability: Not flammable.
Flammability limit – Not applicable.
Flammability limit – Not applicable.
Explosive limit - Not applicable.
Vapor pressure: Not available.
Vapor density Relative density: Not available.
Solubility (water): Dispersible.
Partition coefficient: Not available.
Auto-ignition temperature: Not applicable.
Decomposition temperature: Not available.
Viscosity Not available.
VOC: <100g/L.

SECTION 10 Stability and Reactivity

Stability: Stable under normal conditions.

Reactivity: No hazardous reactions if stored and handled as prescribed/indicated.

Conditions to avoid: Avoid extreme heat. Avoid freezing.

Materials to avoid: Strong oxidizing agents.

Hazardous decomposition products: CO, CO₂

Hazardous polymerization: None under normal processing

SECTION 11 Toxicological Information

Route of Exposure: Not applicable

Chronic toxicity/effects:

Repeated oral uptake of the substance did not cause substance-related effects.
Repeated inhalative uptake of the substance did not cause substance-related effects.
Repeated dermal uptake of the substance did not cause substance-related effects.
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Symptoms of Exposure: No significant reaction of the human body to the product known.

SECTION 12 Ecological Information

Eco toxicity: At the present state of knowledge, no negative ecological effects are expected.



Toxicity to Algae/Aquatic Plants, Microorganisms and Crustacea: No data is available.

Persistence and degradability: No information available.

Bio accumulative potential: At the present state of knowledge, no negative ecological effects are expected.

Mobility: No information available.

SECTION 13 Disposal Considerations

Waste disposal of substance: Dispose in accordance with all applicable regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

Container disposal: Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

Section 14 Transport Information

DOT: This product is not regulated for transport.

ARD/RID: This product is not regulated for transport.

IMDG: This product is not regulated for transport.

IATA: This product is not regulated for transport.

SECTION 15 Regulatory Information

US federal regulations:

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance: No chemicals in this material are subject to the reporting requirements.

SARA 311/312 Hazardous chemical: No chemicals in this material are subject to the reporting requirements.

SARA 313 (TRI reporting): This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels.

US state regulations

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels.

SECTION 16 Other Information

Recommended restriction: for use by trained professionals, having read the complete SDS

To the best of our knowledge the information contained here is accurate. However, neither the above named manufacturer nor any of its distributors assumes any liability whatsoever for the accuracy or the completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



SAFETY DATA SHEET

SECTION 1 Product and Company Identification

Product

Product Name: [ColorTec Acrylic WB \(WTB\)](#)

Product Description: Water Based Pigmented Acrylic Sealer

Intended Use: Sealer for cementitious surfaces

Company

Manufacturer: SureCrete Design Products, Inc.

15246 Citrus Country Drive

Dade City, FL 33523

USA

Contact: 1-352-567-7973 (telephone general)

1-800-262-8200 Chemtrec

+1 703-741-5500 Chemtrec International

info@surecretedesign.com (e-mail)

1-352-521-0973 (facsimile)

SECTION 2 Hazards Identification

Classification of substance or mixture:

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

No need for classification according to GHS criteria for this product.

GHS Label Elements: The product does not require a hazard warning label in accordance with GHS criteria.

Emergency Overview:

No particular hazards known.

Use with local exhaust ventilation.

Wear full face shield if splashing hazard exists.

Wear protective clothing.

Hazard Symbol: None.

Hazard Ratings

	<i>health</i>	<i>flammability</i>	<i>reactivity</i>
HMIS	1	0	0
NFPA	1	0	0

SECTION 3 Composition / Information on Ingredients

This material is regulated as a mixture

Ingredient	CAS #	EC#	% (by weight)
Hazardous			
Titanium Dioxide*	13463-67-7	NE	<15%
Aluminum hydroxide*	21645-51-2	NE	<2%
Silicon dioxide, amorphous*	7631-86-9	NE	<2%
Non Hazardous			



	Trade secret		<87%
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*Note: These ingredients provide no hazard as offered in completed product. They cannot become airborne dust, as they are in aqueous solution.

The chemical identity and concentration or concentration ranges of all ingredients which are hazardous within the meaning of the GHS are present below their cut-off levels (i.e. <0.1% for reproductive toxicity, carcinogenicity and category 1 mutagenicity and <1% for all other hazard classes).

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

SECTION 4 First Aid Measures

General advice: Get medical advice/attention if you feel unwell.

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: Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

Inhalation: IF INHALED: Call a POISON CENTER or doctor if you feel unwell.

Ingestion: Do NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Most important symptoms and effects, both acute and delayed

Symptoms: No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians: Treat symptomatically.

SECTION 5 Fire Fighting Measures

Appropriate Extinguishing Media: Foam, CO₂, Dry chemical, water spray or fog. Not to be used for safety reasons: strong water jet.

Fire Fighting Instructions: Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel. Contaminated extinguishing water must be disposed of in accordance with official regulations.

Unusual Fire Hazards: Harmful vapors. Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Hazardous Combustion Products: Burning produces heavy smoke. Fire may produce irritating and/or toxic gases. In the event of fire and/or explosion do not breathe fumes. Incomplete combustion products, Smoke, Fume, Oxides of carbon.

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Methods and Materials for Containment and Clean-up

Small Spills: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with regulations. Clean with detergents. Avoid solvent cleaners. Clean contaminated surface thoroughly.

Large Spills: Pump off product.

Environmental precautions: Do not discharge into drains/surface waters/groundwater.

SECTION 7 Handling and Storage

Precautions for safe handling: Use personal protection recommended in Section 8. Never use pressure to empty container. Comply with the health and safety at work laws. Prevent product from entering drains. Use only with adequate ventilation.

General Hygiene Considerations: When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

Protection against fire and explosion: No special precautions necessary.

Conditions for safe storage: Keep/store only in original container. Store in accordance with local regulations. Keep unauthorized personnel away. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed in a dry and well-ventilated place.

Protect from temperatures below: 0°C

Protect from temperatures above: 100°C

Incompatible materials: Strong oxidizing agents.

SECTION 8 Exposure Control / Personal Protection

Exposure limit values:

Component	Value / Source			
Titanium Dioxide*	TWA	1 mg/m ³	Respirable dust	JSOH OELs (05 2009)
Titanium Dioxide*	TWA	4 mg/m ³	Total dust	JSOH OELs (05 2009)
Titanium Dioxide*	TWA	10 mg/m ³	No data available	US ACGIH (2011)

*Note: These ingredients provide no hazard as offered in completed product. They cannot become airborne dust, as they are in aqueous solution.

Personal protective equipment

Respiratory protection: Wear respiratory protection if ventilation is inadequate. Respiratory protection in case of vapor/aerosol release.

Hand protection: There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The instructions and information provided by the glove manufacturer on use, storage, maintenance and



replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical / chemical damage and poor maintenance.

Eye protection: Safety glasses with side-shields (or goggles).

General safety and hygiene measures: Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Eye wash fountains and safety showers must be easily accessible.

SECTION 9 Physical and Chemical Properties

General

Appearance: Milky liquid.

Physical state: Liquid.

Form: Liquid.

Color: Milky.

Odor: Mild, acrylic like

Odor threshold: Not available.

Safety Data

pH: Not available.

Freezing point: 32 °F (0 °C)

Initial boiling point: 212 °F (100 °C)

Flash point: 219 °F (104 °C)

Evaporation rate: Not available.

Flammability: Not flammable.

Flammability limit – Not applicable.

Flammability limit – Not applicable.

Explosive limit - Not applicable.

Vapor pressure: Not available.

Vapor density Relative density: Not available.

Solubility (water): Dispersible.

Partition coefficient: Not available.

Auto-ignition temperature: Not applicable.

Decomposition temperature: Not available.

Viscosity Not available.

VOC: <100g/L.

SECTION 10 Stability and Reactivity

Stability: Stable under normal conditions.

Reactivity: No hazardous reactions if stored and handled as prescribed/indicated.

Conditions to avoid: Avoid extreme heat. Avoid freezing.

Materials to avoid: Strong oxidizing agents.



Hazardous decomposition products: CO, CO₂

Hazardous polymerization: None under normal processing

SECTION 11 Toxicological Information

Route of Exposure: Not applicable

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium Dioxide 13463-67-7	5000 mg/kg (Rat)	NA	>6.82 mg/L (Rat) 4 h

Chronic toxicity/effects:

Repeated oral uptake of the substance did not cause substance-related effects.

Repeated inhalative uptake of the substance did not cause substance-related effects.

Repeated dermal uptake of the substance did not cause substance-related effects.

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Symptoms of Exposure: No significant reaction of the human body to the product known.

SECTION 12 Ecological Information

Eco toxicity: At the present state of knowledge, no negative ecological effects are expected.

Toxicity to Fish

Chemical Name	CAS No	Species	LC50 (mg/L)	Exposure (Method)
Titanium Dioxide	13463-67-7	Daphnia magna	1000	48 h

Toxicity to Algae/Aquatic Plants

Chemical Name	CAS No	Algae/aquatic plants EC50
Titanium Dioxide	13463-67-7	Pseudokirchneriella subcapitata 61 mg/L 72 h

Bio accumulative potential: At the present state of knowledge, no negative ecological effects are expected.

Mobility: No information available.

SECTION 13 Disposal Considerations

Waste disposal of substance: Dispose in accordance with all applicable regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

Container disposal: Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.



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