

SAFETY DATA SHEET

SDS IDENTIFICATION NAME: Tstrata TC

DATE: 06/04/2019 PAGE: 1 OF 6

SECTION I: MATERIAL AND MANUFACTURER IDENTIFICATION

MANUFACTURER:
STRUCTURAL TECHNOLOGIES, LLC
10150 Old Columbia Road
Columbia, MD 21046

EMERGENCY TELEPHONE NUMBER:
1-800-424-9300
INFORMATION TELEPHONE NUMBER:
1-410-859-6539

CHEMICAL FAMILY: Acrylic Coating

SECTION II: HAZARD(S) IDENTIFICATION

EMERGENCY OVERVIEW:

APPEARANCE AND ODOR:

Gray Viscous Liquid.

STATEMENTS OF HAZARD:

MAY CAUSE CANCER. HARMFUL TO AQUATIC LIFE.

PRIMARY ROUTES OF EXPOSURE:

EYES--NO SKIN CONTACT--YES INHALATION--YES INGESTION--NO

HMIS RATING:

HEALTH--1 FLAMMABILITY--1 REACTIVITY--0 SPECIAL--NONE

PICTOGRAM:



SIGNAL WORD: DANGER

POTENTIAL HEALTH EFFECTS:

EYES: Slightly irritating.

SKIN: May cause sensitization.

INHALATION: May cause slight irritation to the respiratory system

INGESTION: No none effects

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Preexisting eye, skin, and respiratory disorders may be aggravated by exposure.

CHRONIC HEALTH EFFECTS: Prolonged or repeated exposure can cause irritation to skin, eyes, skin sensitization, and temporary eye injury. May cause cancer.

SECTION III: COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL OR COMPONENT	CAS NUMBER	% BY WEIGHT	OSHA(PEL)	ACGIH(TLV)
Crystalline Silica Respirable Fraction	14808-60-7	30- 60	0.1 mg/m ³	0.025 mg/m ³

Titanium Dioxide	13463-67-7	>50%	Not determined	Not determined
Propylene Glycol	57-55-6	<50%	Not determined	Not determined
Aluminum Oxide Respirable Fraction	1344-28-1	0.5 – 1.5%	5.0 mg/m ³	1.0 mg/m ³

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200) in addition; other substances not Hazardous per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard.

SECTION IV: FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

EYES: Flush eyes with plenty of water for 15 minutes. If irritation persists get medical attention.

SKIN CONTACT: Wash thoroughly with soap and water.

INHALATION: Move to fresh air. Avoid further exposure. If symptoms persist, get medical attention.

INGESTION: Rinse mouth thoroughly.

SECTION V: FIRE FIGHTING MEASURES

FLASH POINT/METHOD OF DETERMINATION: No data available

MEANS OF EXTINCTION: This product is not expected to ignite under normal conditions of use.

FLAMMABLE LIMITS LFL, UFL: No data available

FIRE-FIGHTING EQUIPMENT: Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).

FIRE AND EXPLOSION HAZARD: This product is not expected to ignite under normal conditions of use.

SPECIAL FIRE HAZARDS: Smoke, fumes. Avoid exposure through use of a self-contained, positive-pressure breathing apparatus.

SECTION VI: ACCIDENTAL RELEASE MEASURES

PROCEDURES IN CASE OF ACCIDENTAL RELEASE OF LEAKAGE: Stop flow. Contain spill. Keep out of water courses. Absorb spill in sand, earth, or other suitable material. Transfer to appropriate container for disposal. Follow all federal, state and local regulations.

SECTION VII: HANDLING AND STORAGE

Prevent inhalation of vapor, ingestion, and contact with skin, eyes, and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. Store in sealed containers in a dry, ventilated, and above freezing warehouse location.

SECTION VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: Avoid eye and skin contact. Wear chemical safety glasses or goggles. In some applications face shields may be necessary. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.

SKIN PROTECTION: Protective clothing such as uniforms, coveralls or lab coats must be worn. Launder or dry-clean when soiled. Gloves, resistant to chemicals are required.

RESPIRATORY PROTECTION: Not ordinarily required. If vapor or mist is generated, use a NIOSH approved organic vapor respirator. If sufficient dust is generated during machining of the cured product, use a NIOSH approved dust respirator.

VENTILATION: Local exhaust ventilation recommended sufficient to control the vapor, mist or dust being generated. If exhaust ventilation is not available or is inadequate, use MSHA or NIOSH approved respirator, as appropriate.

OTHER PROTECTIVE EQUIPMENT: For operations where contact can occur, coveralls, apron, and rubber foot coverings are recommended. A safety eye wash facility should be available.

GENERAL HYGIENE RECOMMENDATIONS: After use before eating, drinking, smoking or using toilet facilities, wash face and hands thoroughly with soap and water. Remove any contaminated clothing and launder before reuse. Properly dispose of shoes and clothing that are extremely contaminated. Use vacuum equipment to remove cured product dust from clothing and work areas. Compressed air is not recommended.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Gray, Viscous Liquid, Mild Odor
BOILING POINT (°F/°C):	212°F / 100°C
MELTING POINT (°F/°C):	32°F / 0°C
SPECIFIC GRAVITY (WATER = 1):	1.48
pH OF UNDILUTED PRODUCT:	9 - 10
VAPOR PRESSURE (mm Hg.):	No data available
VAPOR DENSITY (AIR-1):	Heavier than air
VISCOSITY:	No data available
PERCENT (%) VOC:	2.56%
SOLUBILITY IN WATER:	Insoluble

SECTION X: STABILITY AND REACTIVITY

Reactivity:	No data available
Chemical Stability:	Material is stable under normal conditions
Possibility of hazardous reactions:	No data available
Incompatible Materials:	Strong Acids. Strong bases
Hazardous Decomposition Products:	Thermal decomposition may liberate carbon oxides and other toxic gases or vapors

SECTION XI: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY;

Oral LD50	> 500 mg/kg (Mouse) > 500 mg/kg (Rat) > 1,000 mg/kg (Rat) 19 mg/kg (Rabbit) > 3,980 mg/kg (Rat) > 3,000 mg/kg (Rat) > 800 mg/kg (Mouse) 11,400 mg/kg (Rat) 15,600 mg/kg (Mouse) > 15,000 mg/kg (Rat) > 2,000 mg/kg (Rat) > 2,000 mg/kg (Rat) > 2,000 mg/kg (Rat)
Dermal LD50	> 2,000 mg/kg (Rat) > 2,000 mg/kg (Rabbit) > 1,600 mg/kg (Mouse) > 1,600 mg/kg (Rat) > 3,450 mg/kg (Rabbit) > 800 mg/kg (Rat) > 3,450 mg/kg (Rabbit)

SECTION XII: ECOLOGICAL INFORMATION

Ecotoxicity:

Acute Hazards	No data available
Chronic hazards	No data available

Persistence and Degradability:

No data available

SECTION XIII: DISPOSAL CONSIDERATIONS

ACTION TO TAKE FOR SPILLS/LEAKS: Prevent inhalation of vapor, ingestion, and contact with skin, eyes, and clothing. Wear protective gear during clean up. Keep container closed when not in use. Precautions also apply to emptied containers. Store in sealed containers in a dry, ventilated, and above freezing warehouse location.

WASTE DISPOSAL METHODS: It is the responsibility of the generator to comply with all federal, state, provincial and local laws and regulations. We recommend that you contact an appropriate waste disposal contractor and environmental agency for relevant laws and regulations. Under the US Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets relevant waste classification and to assure proper disposal.

SECTION XIV: TRANSPORTATION INFORMATION

TDG:	Not regulated
CRF / DOT AND IATA:	Not regulated
IMDG:	Not regulated

SECTION XV: REGULATORY INFORMATION

US Federal Regulations

<u>Chemical Identity</u>	<u>OSHA hazard(s)</u>
Formaldehyde	Acute toxicity
	Skin irritation
	Skin sensitization
	Flammability respiratory tract irritation
	Respiratory sensitization
	Cancer
	Eye irritation

CERCLA Hazardous Substance List (40 CFR 302.4):

<u>Chemical Identity</u>	<u>Reportable quantity</u>
Ethylene glycol	5000 lbs.
Ammonium hydroxide	1000 lbs.
Formaldehyde	100 lbs.
Ammonia	100 lbs.

Superfund Amendments and Reauthorization Act of 1986 (SARA)**Hazard categories**

Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

<u>Chemical Identity</u>	<u>Reportable quantity</u>	<u>Threshold Planning Quantity</u>
Formaldehyde	100 lbs.	500 lbs.
Ammonia	100 lbs.	500 lbs.

SARA 304 Emergency Release Notification

<u>Chemical Identity</u>	<u>Reportable quantity</u>
Ethylene glycol	5000 lbs.
Ammonium hydroxide	1000 lbs.
Formaldehyde	100 lbs.
Ammonia	100 lbs.

SARA 311/312 Hazardous Chemical

<u>Chemical Identity</u>	<u>Threshold Planning Quantity</u>
Formaldehyde	500lbs
Ammonia	500lbs
Crystalline Silica (Quartz)/ Silica Sand	500 lbs
Titanium dioxide	500 lbs
Propylene glycol	500 lbs
Aluminum oxide	500 lbs

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

<u>Chemical Identity</u>	<u>Reportable quantity</u>
Formaldehyde	15000 lbs
Ammonia	10000 lbs

US State Regulations**US. California Proposition 65**

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act**Chemical Identity**

Crystalline Silica (Quartz)/ Silica Sand
Titanium dioxide
Propylene glycol

US. Massachusetts RTK - Substance List**Chemical Identity**

Crystalline Silica (Quartz)/ Silica Sand

Titanium dioxide

Chlorothalonil

Formaldehyde

Ammonia

US. Pennsylvania RTK - Hazardous Substances**Chemical Identity**

Crystalline Silica (Quartz)/ Silica Sand

Titanium dioxide

Propylene glycol

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

SECTION XVI: OTHER INFORMATION

SPECIAL PRECAUTIONS: Empty containers will retain some of the product residue. When handling or disposing of them, follow all label warnings, other instructions and waste disposal procedures.

EXPLANATION AND DISCLAIMER: Wherever such words or phrases as "hazardous," "toxic," "carcinogen," appear here in, they are used as defined or described under state employee right-to-know laws, Federal OSHA laws or the direct sources for these laws such as the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), etc. The use of such words or phrases should not be taken to mean that we deem or imply any substance or exposure to be toxic, hazardous or otherwise harmful. **ANY EXPOSURE CAN ONLY BE UNDERSTOOD WITHIN THE ENTIRE CONTEXT OF ITS OCCURRENCE, WHICH INCLUDES SUCH FACTORS AS THE SUBSTANCE'S CHARACTERISTICS AS DEFINED IN THE SDS, AMOUNT AND DURATION OF EXPOSURE, OTHER CHEMICALS PRESENT AND PREEXISTING INDIVIDUAL DIFFERENCES IN RESPONSE TO THE EXPOSURE.**

The data provided is based on the information received from our raw material suppliers and other sources believed to be reliable. **THIS DATA DOES NOT CONSTITUTE A GUARANTEE (EXPRESSED OR IMPLIED), WARRANTY (INCLUDING WARRANTY WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) OR REPRESENTATION (INCLUDING FREEDOM FROM PATENT LIABILITY) BY US WITH RESPECT TO THE DATA, THE PRODUCT DESCRIBED, OR ITS USE FOR ANY SPECIFIC PURPOSE, EVEN IF THAT PURPOSE IS KNOWN TO US. WE DISCLAIM LIABILITY FOR DAMAGE OR INJURY INCURRING DIRECTLY OR INDIRECTLY FROM THE USE OF THIS PRODUCT.**

STRUCTURAL TECHNOLOGIES, LLC urges suppliers and users of this product to evaluate its suitability and compliance with local regulations, as STRUCTURAL TECHNOLOGIES, LLC cannot foresee the nature of the final application nor final location of usage.