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SAFETY DATA SHEET

Complies with OSHA HCS 29 CFR 1910.1200, including appendix D, and UN GHS for classification and labeling.

SECTION 1: IDENTIFICATION

COMPANY: Total Wall, Inc.
ADDRESS: 390 Viking Circle
Rio, WI 53960
EMERGENCY PHONE NUMBER: 888-702-9915
PRODUCT IDENTIFIER: Tuff II
PRODUCT USE: Water-based sanded acrylic coating
EFFECTIVE DATE: 10/2016
REVISION NUMBER: Initial issue

SECTION 2: HAZARD(S) IDENTIFICATION

Warning! Eye and skin irritant.



HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	C

Routes of exposure: Eyes, skin, ingestion, inhalation.

Skin Contact: Potential skin irritant

Skin Absorption: No known hazards.

Eyes: Damaging to the eyes.

Inhalation: Prolonged inhalation of vapors may cause irritation to the respiratory tract.

Ingestion: Harmful if swallowed. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS No.</u>	<u>percent by weight</u>
Acrylic resin emulsions	proprietary	30
Quartz silica	14808-60-7	50
Calcium carbonate	471-34-1	4
Hydrated aluminum silicates	1332-58-7	4
Water	7732-18-5	4
Titanium dioxide	13463-67-7	2
Surfactant	9016-45-9	2
Antifoam	64741-88-4	1-2
Ester alcohol	25265-77-4	1-2
Hydroxyethyl cellulose	9004-62-0	1-2
Preservatives (DCOIT)	2634-33-5	<0.01
Ammonia	1336-21-6	<0.01

SECTION 4: FIRST AID MEASURES

Skin Contact: Wash exposed area with a soap solution or water and remove contaminated clothing. Get medical attention if irritation persists.

Eye Contact: Immediately flush eyes with water for 15 minutes. Remove contact lenses if it can be done easily. Immediately contact a physician for additional treatment.

Inhalation Exposure: Remove victim from contaminated area to fresh air. Apply appropriate first aid treatment as necessary.

Ingestion: Do not feed anything by mouth to an unconscious or convulsive victim.
Specific: Do not induce vomiting. Immediately contact a physician. Dilute contents of stomach using 3-4 glasses of milk or water.

SECTION 5: FIRE-FIGHTING MEASURES

Not Flammable
Flash point: N/A
Flammable limits: N/A
Auto-ignition Temperature: None

Extinguishing media: N/A
Special Fire Fighting Procedures: None
Special Fire Fighting Equipment: None
Unusual Fire and Explosion Hazards: None
Explosion Data: Not an explosion hazard.
Hazardous Decomposition Products: None



SECTION 6: ACCIDENTAL RELEASE MEASURES

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Prevent further leakage or spillage if safe to do so.

Environmental Precautions: Avoid runoff into storm sewers, ditches, and waterways.
Methods for containment: Absorb spills with an inert absorbent material such as soil, kitty litter, sand or Oil dri. After absorbing spill with inert material, place in a chemical waste container.

Methods for cleanup: Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section.

SECTION 7: HANDLING AND STORAGE

Storage Instructions: Keep container tightly closed when not in use. Store indoors or under cover in a dry environment in temperatures between 40 F and 115 F, and out of reach of children and pets.

Handling Instructions: Handle in accordance with good industrial hygiene, normal chemical handling and safety practices. Wash after handling.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Chemical Name</u>	<u>CAS No.</u>	<u>ACGIH and OSHA</u>
Quartz silica	14808-60-7	0.1 mg/M ³ * TLV
Hydrated aluminum silicates	1332-58-7	5 mg/M ³ * TLV
Calcium carbonate	471-34-1	5 mg/M ³ * TLV
Surfactant	9016-45-9	0.5 ppm PEL
Titanium dioxide	13463-67-7	5 mg/M ³ * TLV
Antifoam	64741-88-4	5 mg/M ³ * TLV
Ammonia	1336-21-6	25 ppm PEL

* Note - as respirable dust (or mist).

Use appropriate engineering controls, such as providing good general ventilation, to control airborne levels below recommended exposure limits.

Ventilation Protection: Adequate ventilation.

Recommended Respiratory Protection: If ventilation is inadequate, use a mask with dust/mist/fume cartridges.

Recommended Skin Protection: Rubber gloves

Other Protective Equipment: Full coveralls.

Recommended Eye Protection: Splash proof chemical goggles

Personal Hygiene: Wash thoroughly after handling product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

pH: Approx. 9.0
Flash Point: Non-flammable
Vapor Pressure: 17 mm Hg Vapor
Density: 1 (water = 1)
Evap. Rate: < 1 (ether = 1)
Physical State: Thixotropic, opaque liquid,
Viscosity: 1MM cps
Percent volatile by volume: Approx. 22%
VOC: Approximately 18.5 gm/L
Sp. Gr. 1.44
% Solubility (water): Dispersible in water (partially soluble).
Odor: Mild

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable under recommended handling and storage conditions.
Hazardous Polymerization: Hazardous polymerization does not occur.

Conditions to Avoid: Extreme heat, freezing temperatures and incompatible materials.
Incompatible Materials: Water reactive materials.

Special Decomposition Products: Forced thermal decomposition may release irritant fumes and toxic gases.

SECTION 11: TOXICOLOGICAL INFORMATION

The below data is obtained from NIOSH (National Institute for Occupational Safety and Health) listing of RTECS (Registry of Toxic Effects of Chemical Substances).

Calcium Carbonate : RTECS Number: EV9580000

Inhalation: Rat TCLo - Lowest published toxic concentration:

250 mg/m³/2H/24W (Intermittent) Lungs, Thorax, or Respiration - Fibrosis, focal

Inhalation - Rat TCLo - Lowest published toxic concentration : 84 mg/m³/4H/40W

(Intermittent) Lungs, Thorax, or Respiration - Fibrosis

(interstitial) Liver - Other changes: Kidney/Ureter/Bladder

Titanium Oxide : RTECS Number: XR2275000

Inhalation: Rat TCLo - Lowest published toxic concentration : 1 mg/kg

Lungs, Thorax, or Respiration - Other changes: Biochemical - Metabolism

(intermediary) - Effect on inflammation or mediation of inflammation

Ingestion: Oral - Rat TDLo - Lowest published toxic dose : 60 gm/kg Gastrointestinal

- Hypermotility, diarrhea Gastrointestinal - Other changes

Chronic Effects: Normal application procedures for this product pose no hazard as to the release of respirable titanium dioxide dust, but grinding or sanding dried films of this product may yield some respirable titanium dioxide.

Quartz Silica: RTECS Number: VV7310000

Immediately Dangerous to Life or Health Concentrations (IDLH) 3,000 mg/m³ The IDLH concentration is based on respirable exposure only, i.e., dust or fume.

Carcinogenicity

The information below indicates whether each agency has listed any ingredient as a carcinogen:.

Chemical Name	IARC *	OSHA Carcinogen
Titanium dioxide	2B - Possible Human Carcinogen	Listed

• Although IARC (International Agency for Research on Cancer) has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

SECTION 12: ECOLOGICAL INFORMATION

Aquatic toxicity is not known. Product is mildly alkaline, therefore higher concentrations of the product in estuaries may increase the pH of the estuary slightly.

The silica, clay and limestone (calcium carbonate) components make up a majority of the product. They are not highly mobile in the soil. These components are natural to the environment and present no foreseeable negative impact. The water-based polymer component is not toxic and is long term biodegradable. The polymer is highly mobile in the soil until it cures, and then it is not mobile in the soil.

There is no known data on the cumulative ecological effects of the minor and trace components, which include the surfactant, antifoam and ester alcohol. However, it is believed these components are at least partially degradable.

SECTION 13: DISPOSAL CONSIDERATIONS

Arrange for disposal in accordance with Federal, state and local guidelines. Triple-rinse container prior to offering for recycle, reconditioning, or disposal.

SECTION 14: TRANSPORT INFORMATION

DOT Shipping Name:	Non regulated.
DOT Hazard Class:	Non regulated.
IMDG UN Number :	Non regulated.
IATA Shipping Name:	Non regulated.

SECTION 15: REGULATORY INFORMATION

SARA: This product does not contain any chemicals which are subject to the reporting requirements of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III (40CFR, Part 372).

California Proposition 65: This product contains a material, calcium carbonate, known to the state of California to cause cancer or reproductive harm.

This product contains Titanium Dioxide, and is listed by New Jersey and Pennsylvania Right-to-Know laws.

Canada WHMIS: Xi - Irritant

EU Class: Irritant, in accordance with CLP Regulation (EC) No 1272/2008 on the classification, labeling and packaging of substances and mixtures.

SECTION 16: OTHER INFORMATION

HMIS Legend

0 - Minimal Hazard

1 - Slight Hazard

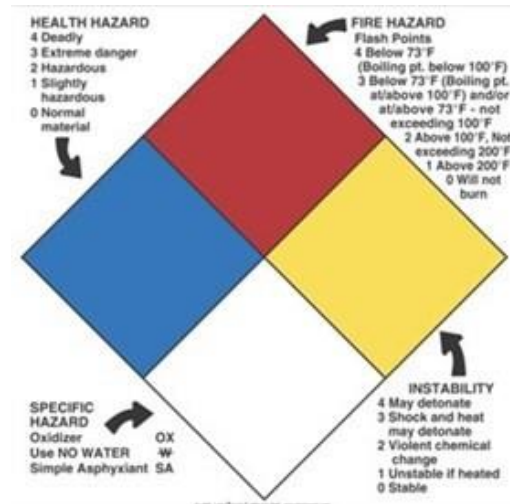
2 - Moderate Hazard

3 - Serious Hazard

4 - Severe Hazard

* - Chronic Hazard

X - Consult your supervisor or S.O.P. for



NFPA Legend "Special"

handling

instructions.

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Initial Issue Date: October 20, 2016

Revision Date: No revisions

Revision Summary: Not available

TOTAL WALL

Disclaimer:

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