



SAFETY DATA SHEET

SECTION 1 - Chemical Product and Company Information

Product Name: TWP-210 SLATE GRAY SHAKE AND SHINGLE

Product Code: TWP-210

Manufactured by:
AMTECO, Inc. (A Division of Gemini Industries)
P.O. Box 9
1100 Jefferson Street
Pacific, MO 63069
636-271-1300

24-hour Emergency (spill, leak, exposure or accident):
CHEMTREC 800-424-9300

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:

Inhalation Toxicity	Acute Tox. 3	Gases>500+<=2500ppm, Vapors>2+<=10mg/l, Dusts&mists>0.5+<=1mg/l
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Skin sensitizer	1	Skin sensitizer
Mutagen	1B	Known to produce heritable mutations in human germ cellsSubcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity
Carcinogen	1B	Presumed Human Carcinogen, Based on demonstrated animal carcinogenicity
Reproductive toxin	2	Human or animal evidence possibly with other information

GHS Hazards

H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H331	Toxic if inhaled
H340	May cause genetic defects
H350	May cause cancer
H361	Suspected of damaging 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
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash any exposed skin thoroughly after handling
P271	Use only outdoors or in a well-ventilated area
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P311	Call a POISON CENTER or doctor/physician

P321	Specific treatment (see First Aid section on this label)
P363	Wash contaminated clothing before reuse
P302+P352 P304+P340	IF ON SKIN: Wash with soap and water IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P337+P313	Get medical advice/attention
P405	Store locked up
P403+P233	Store in a well ventilated place. Keep container tightly closed
P501	Do not flush to sewer, watershed or waterway. Dispose of product in accordance with applicable local, county, state and federal regulations.

Signal Word: **Danger**



SECTION 3 - Composition/Information on Ingredients

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
TRADE SECRET 70 to 80%			
Titanium dioxide 13463-67-7 5 to 10%	15 mg/m ³ TWA (total dust)	10 mg/m ³ TWA	
Naphtha, petroleum, hydrotreated heavy 64742-48-9 1 to 5%			
Chlorothalonil 1897-45-6 1 to 5%			
Raw umber 12713-03-0 1 to 5%			
Folpet 133-07-3 0.1 to 1.0%			
2-Butanone, oxime 96-29-7 0.1 to 1.0%			

MINERAL SPIRITS 8052-41-3 0.1 to 1.0%	500 ppm TWA; 2900 mg/m3 TWA	100 ppm TWA	NIOSH: 350 mg/m3 TWA 1800 mg/m3 Ceiling (15 min)
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SECTION 4 - First Aid Measures

Inhalation:

Remove exposed individual to fresh air and assist breathing if necessary. Seek medical attention.

Eye Contact:

Flush eyes with lukewarm water for 15 minutes. Seek medical attention immediately.

Skin:

Remove contaminated clothing, wash area immediately with soap and water. See physician if irritation persists.

Ingestion:

Rinse mouth out immediately. Drink 1 or 2 glasses of water to dilute. DO NOT induce vomiting. Contact physician or poison control center immediately.

SECTION 5 - Fire Fighting Measures

Alcohol Foam, CO2, Dry Chemical

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. Do not apply to hot surfaces. Never use welding or cutting torch on or near container (even empty) because product (even residue) may ignite explosively. Liquid and vapor states of this substance are dangerous fire hazards and moderate explosion hazards when exposed to heat or flame.

** Rags, steel wool, and paper towels soaked with this product may spontaneously catch fire if improperly stored and/or discarded. Immediately after each use place rags, steel wool, and paper towels in a sealed water-filled container to prevent spontaneous combustion.

Oxidation may produce carbon and nitrogen oxides.

Clear fire area of unprotected personnel. Do not enter confined space without helmet, face shield, bunker coat, gloves, rubber boots and a positive pressure NIOSH-approved self-contained breathing apparatus. A water stream can scatter flames. A spray of water may be used to cool closed containers to prevent pressure buildup and possible auto ignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.

Use the National Fire Protection Association Class B extinguisher.

SECTION 6 - Accidental Release Measures

Stay upwind and away from spill or leak unless wearing appropriate protective equipment. Stop and/or contain discharge if it may be done safely. Keep all sources of ignition away. Ventilate area of spill. Use non-sparking tools for clean up. Cover with inert material to reduce fumes. Keep out of drains, sewer or waterways.

If large spill occurs, alert spill response teams. Contact fire authorities. Notify local health and pollution control agencies.

** Rags, steel wool, and paper towels soaked with this product may spontaneously catch fire if improperly stored and/or discarded. Immediately after each use place rags, steel wool, and paper towels in a sealed water-filled container to prevent spontaneous combustion.

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.

** Rags, steel wool, and paper towels soaked with this product may spontaneously catch fire if improperly stored and/or discarded. Immediately after each use place rags, steel wool, and paper towels in a sealed water-filled container to prevent spontaneous combustion.

Storage:

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.

SECTION 8 - Exposure Controls/Personal Protection			
Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
TRADE SECRET			
Titanium dioxide 13463-67-7	15 mg/m3 TWA (total dust)	10 mg/m3 TWA	
Naphtha, petroleum, hydrotreated heavy 64742-48-9			
Chlorothalonil 1897-45-6			
Raw umber 12713-03-0			
Folpet 133-07-3			
2-Butanone, oxime 96-29-7			
MINERAL SPIRITS 8052-41-3	500 ppm TWA; 2900 mg/m3 TWA	100 ppm TWA	NIOSH: 350 mg/m3 TWA 1800 mg/m3 Ceiling (15 min)

Use local exhaust as required to control vapor concentrations.
Avoid prolonged or repeated breathing of vapors.

Respiratory Protection:

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

Skin Protection:

Required for prolonged or repeated contact. Wear resistant gloves such as natural rubber, neoprene, buna N or nitrile .
An apron should be worn to avoid skin contact.

Eye Protection:

Wear splash proof goggles and face shield if there is a likelihood of contact with eyes .

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>Vapor Density Heavier Than Air</p> <p>Boiling range: 350 - 3000°C</p> <p>Freezing point: N/A</p> <p>Flammability: N/A</p> <p>Autoignition temperature: N/A</p> <p>Relative Density: N/A</p> <p>Odor threshold: N/A</p> <p>SPECIFIC GRAVITY 0.9521</p> <p>Partition coefficient (n- N/A octanol/water):</p>	<p>Evaporation Rate Faster than Butyl Acetate</p> <p>Melting point: N/A</p> <p>Flash point: 108°F,42°C</p> <p>Explosive Limits: N/A</p> <p>Decomposition temperature: N/A</p> <p>Vapor Pressure N/A</p> <p>pH: N/A</p> <p>Solubility: N/A</p> <p>Viscosity: N/A</p>
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Grams VOC less water: N/A % WT. VOLATILE (VOC) 3.4665 Lbs VOC/Gallon Solids 0.2869 SOLIDS VOL% 95.8108 SPREAD @ 1 MIL 1536.8055 Appearance Colored Liquid Physical State Liquid Coating VOC (g/l) 32.9338 Coating VOC (Lb/Gl) 0.2748	% VOLUME VOLATILE (VOC) 4.1892 % Pig. by wt. 9.2115 VOLATILE WT% 3.4665 DENSITY (Lb/Gal) 7.9284 HAPS (lbs/gl) 0.0029 Odor N/A Material VOC (g/l) 32.9338 Material VOC (Lb/Gl) 0.2748
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SECTION 10 - Stability and Reactivity

Stability: Stable under normal conditions.

Materials to Avoid: Strong oxidizing agents, strong alkalines, strong mineral acids.

Conditions to avoid: high heat, sparks, flames, static discharge.

** Rags, steel wool, and paper towels soaked with this product may spontaneously catch fire if improperly stored an/or discarded. Immediately after each use place rags, steel wool, and paper towels in a sealed water-filled container to prevent spontaneous combustion.

Hazardous Decomposition: Oxidation may produce carbon and nitrogen oxides.
Hazardous polymerization will not occur.

SECTION 11 - Toxicological Information

Mixture Toxicity

Inhalation Toxicity LC50: 6mg/L

Component Toxicity

96-29-7 2-Butanone, oxime
Oral LD50: 930 mg/kg (Rat) Dermal LD50: 1,000 - (Rabbit) Inhalation LC50: 20 mg/L (Rat)

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:

Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache possible unconsciousness and even asphyxiation. High vapor concentrations or porlonged breathing of lower concentrations may result in damage to the liver, kidneys, lungs and blood forming organs . Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

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>
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13463-67-7	Titanium dioxide	5 to 10%	Titanium dioxide: NIOSH: potential occupational carcinogen IARC: Possible human carcinogen OSHA: listed
1897-45-6	Chlorothalonil	1 to 5%	Chlorothalonil: IARC: Possible human carcinogen OSHA: listed
64742-48-9	Naphtha, petroleum, hydrotreated heavy	1 to 5%	Naphtha, petroleum, hydrotreated heavy: EU REACH: Present (P)
8052-41-3	MINERAL SPIRITS	0.1 to 1.0%	MINERAL SPIRITS: EU REACH: Present (P)

SECTION 12 - Ecological Information

Ecological Information:

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

Component Ecotoxicity

Naphtha, petroleum, hydrotreated heavy	96 Hr LC50 Pimephales promelas: 2200 mg/L
Chlorothalonil	LC50 96 h Oncorhynchus mykiss 0.012 mg/L [semi-static] (IUCLID); LC50 96 h Oncorhynchus mykiss 0.0076 mg/L [flow-through] (EPA); LC50 96 h Lepomis macrochirus 0.0221 - 0.032 mg/L [flow-through] (EPA); LC50 96 h Lepomis macrochirus 0.045 - 0.057 mg/L [static] (EPA) EC50 48 h Daphnia magna 0.0342 - 0.143 mg/L [Static] (EPA) EC50 72 h Desmodesmus subspicatus 0.57 mg/L (IUCLID); EC50 72 h Pseudokirchneriella subcapitata 0.0068 mg/L [static] (EPA)
2-Butanone, oxime	96 Hr LC50 Pimephales promelas: 777 - 914 mg/L [flow-through]; 96 Hr LC50 Poecilia reticulata: 760 mg/L [static] 48 Hr EC50 Daphnia magna: 750 mg/L 72 Hr EC50 Desmodesmus subspicatus: 83 mg/L

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> DOT	<u>Proper Shipping Name</u> COMBUSTIBLE LIQUID, N.O.S. (CONTAINS: RULE66 MINERAL SPIRITS) Freight Class: 55	<u>UN Number</u> NA1993	<u>Packing Group</u> III	<u>Hazard Class</u> COMB LIQ
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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.

- 133-07-3 Folpet
- 1897-45-6 Chlorothalonil
- 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):

- 8052-41-3 MINERAL SPIRITS

96-29-7 2-Butanone, oxime
133-07-3 Folpet
12713-03-0 Raw umber
1897-45-6 Chlorothalonil
64742-42-3 Hydrocarbon waxes, petroleum, clay-treated microcrystalline
64742-48-9 Naphtha, petroleum, hydrotreated heavy
13463-67-7 Titanium dioxide

US CAA Section 112 Hazardous Air Pollutants (HAPs) List

- None

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

133-07-3 Folpet
1897-45-6 Chlorothalonil

SECTION 16 - Disclaimer

Date Prepared: 11/28/2017

Date revised: 2017-11-28

Reviewer Revision 1

THIS DOCUMENT SUPERSEDES ANY PROVISION CONTAINED IN THE FORMS, LETTERS, AND PAPERS OF YOUR COMPANY. THIS PRODUCT IS DESIGNED AND INTENDED FOR PROFESSIONAL APPLICATION ONLY. ALL PRODUCTS SHOULD BE THOROUGHLY TESTED UNDER APPLICATION CONDITIONS PRIOR TO USE. THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE RELIABLE. HOWEVER, AMTECO MAKES NO WARRANTY CONCERNING THIS PRODUCT, WHETHER EXPRESS OR IMPLIED. INCLUDING THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. UNDER NO CIRCUMSTANCES SHALL AMTECO BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR ANY OTHER DAMAGES FROM ALLEGED NEGLIGENCE, BREACH OR WARRANTY, STRICT LIABILITY, OR ANY OTHER LEGAL THEORY, ARISING OUT OF THE USE OR HANDLING OF THIS PRODUCT. THE SOLE REMEDY OF THE BUYER AND THE SOLE LIABILITY OF AMTECO FOR ANY CLAIMS SHALL BE LIMITED TO THE BUYER'S PURCHASE PRICE OF THE PRODUCT WHICH IS THE SUBJECT OF THE CLAIM OR THE AMOUNT ACTUALLY PAID FOR SUCH PRODUCT, WHICHEVER IS LESS. TECHNICAL ADVICE FURNISHED BY AMTECO SHALL NOT CONSTITUTE AN EXPRESS WARRANTY, WHICH IS EXPRESSLY DISCLAIMED. ALL TECHNICAL ADVICE GIVEN IS ACCEPTED AT THE RISK OF THE BUYER.