# Safety Data Sheet

**Issue Date:** 18-Sep-2013 **Revision Date:** 17-Jun-2015 **Version** 1

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** Tile Grout

**Other means of identification**

**SDS #** RD-0022PTG

**Product Code** 12587

**Recommended use of the chemical and restrictions on use**

**Recommended Use** A premium, acrylic latex based, water-resistant compound for grouting ceramic & mosaic tile.

**Details of the supplier of the safety data sheet**

**Supplier Address**
ACE Hardware Corp.
2200 Kensington Ct
Oak Brook, IL 60523

**Emergency Telephone Number**

**Company Phone Number** 630-990-6600

**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** White paste **Physical State** Paste **Odor** Mild Acrylic/slight ammoniacal

**Classification**

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|---|---|---|
| Calcium Carbonate | 1317-65-3 | <70 |
| Acrylic Emulsion | MIXTURE | <25 |
| Non-hazardous Ingredients* | Proprietary | <5 |
| Titanium Dioxide | 13463-67-7 | <2 |
| Soda lime borosilicate glass | 65997-17-3 | <1 |
| Propylene Glycol | 57-55-6 | <1 |
| Ammonium Hydroxide | 7664-41-7 | <0.15 |
| Petroleum Hydrocarbon | 64742-48-9 | <1 |

**If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identityand/or percentage of composition has been withheld as a trade secret.**

* Unlisted ingredients are not considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200). (Calcium Carbonate, Titanium Dioxide and Soda lime borosilicate glass) Inhalation of particulates unlikelydue to product's physical state.

## 4. FIRST-AID MEASURES

**First Aid Measures**

**General Advice** Provide this SDS to medical personnel for treatment.

**Eye Contact** Immediatelyflush with large quantities of water for at least 15 minutes until irritation subsides. Get medical attention.

**Skin Contact** Wash w/ soap & water for @ least 15 minutes. Get medical attention if symptoms persist. Remove & wash contaminated clothing.

**Inhalation** Remove to fresh air. If breathing is difficult, leave area to obtain fresh air. If breathing remains difficult, get medical attention.

**Ingestion** Do not induce vomiting unless directed bymedical personnel. If vomiting occurs, lean patient forward to maintain an open airway & prevent aspiration. Get immediate medical attention.

**Most important symptoms and effects**

**Symptoms** Prolonged or repeated skin contact may result in dermatitis (red, dry skin). Direct contact with eyes may cause temporaryirritation. Exposed individuals mayexperience eye tearing, redness and discomfort. Irritating to mouth, throat, and stomach if ingested. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Overexposure to vapors during application and curing maymildlyirritate respiratorytract and result in coughing and sneezing.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Medical Conditions Aggravated by Exposure: Asthma & asthma-like conditions mayworsen from prolonged or repeated exposure to dust, should sanding be performed.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**
Carbon dioxide (CO2). Dry chemical. Water spray (fog). Foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**
Product is combustible & mayignite if exposed to high temperature or direct flame.

**Hazardous Combustion Products** Carbon oxides. Nitrogen oxides (NOx).

**Protective equipment and precautions for firefighters**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use water spray to keep fire-exposed containers cool.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

| | |
|---|---|
| **Personal Precautions** | Wear protective clothing as described in Section 8 of this safety data sheet. |
| **Other Information** | Small Spills: 1 drum or less – Level D Equipment (gloves, chemical resistant apron, boots & eye protection).<br>Large Spills: Rubber gloves, rubber boots, face shield & Tyvek suit as a minimum. Minimum level of PPE for releases in which the oxygen level is < 19.5% or is unknown, should be Level B: triple gloves (rubber gloves & nitrile gloves over latex gloves), chemical resistant suit, fire-retardant clothing & boots, hard hat & self-contained breathing apparatus. |
| **For Emergency Responders** | Restrict access to spill area. |
| **Environmental Precautions** | Minimize use of water to prevent environmental contamination. Prevent spill or rinse from contaminating storm drains, sewers, soil or groundwater. Do not allow discharge containing this material to enter streams, ponds, estuaries, oceans or other waters unless in accordance w/ requirements of National Pollutant Discharge Elimination System (NPDES) permit & permitting authorityhas been notified in writing prior to discharge. Do not allow discharge containing this material to enter sewer systems w/o previous lynotifying local sewage treatment plant authority. For information, contact State Water Board or EPA Regional Office<br>Other: U.S. regulations mayrequire reporting of spills of this material reaching surface waters if sheen is formed. |

**Methods and material for containment and cleaning up**

| | |
|---|---|
| **Methods for Containment** | Prevent further leakage or spillage if safe to do so. Use absorbent material to contain spill. |
| **Methods for Clean-Up** | Sweep up absorbed material and shovel into suitable containers for disposal. Wash area with soap and water. For waste disposal, see section 13 of the SDS. |

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

| | |
|---|---|
| **Advice on Safe Handling** | Keep out of reach of children & pets. Do not take internally. Do not breathe vapors or dust. If dry sanding use NIOSH-approved dust mask. Use onlyw/ adequate ventilation. Wash thoroughlyafter handling. Avoid contact w/ eyes, skin & clothing. Open windows & doors to ensure cross-ventilation & fresh air during application & curing. Do not eat or drink while handling this material. In event of spill – see Section 6. |

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Stable under normal conditions of handling, use & storage. Store containers in a cool, dry location, away from direct sunlight & high temperatures. Protect from freezing. Store away from incompatible materials (caustics & oxidizers). Close container after each use & keep tightly closed when not in use. To maximize shelf life, store @ temperatures below 26C (80F).

**Incompatible Materials** Strong bases. Oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines** Exposure guidelines / protective equipment are for routine handling and accidental spills

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|---|---|---|
| Calcium Carbonate<br>1317-65-3 | - | TWA: 15 mg/m$^3$ total dust<br>TWA: 5 mg/m$^3$ respirable fraction<br>(vacated) TWA: 15 mg/m$^3$ total dust<br>(vacated) TWA: 5 mg/m$^3$ respirable fraction | TWA: 10 mg/m$^3$ total dust<br>TWA: 5 mg/m$^3$ respirable dust |
| Titanium Dioxide<br>13463-67-7 | TWA: 10 mg/m$^3$ | TWA: 15 mg/m$^3$ total dust<br>(vacated) TWA: 10 mg/m$^3$ total dust | IDLH: 5000 mg/m$^3$ |
| Soda lime borosilicate glass<br>65997-17-3 | TWA: 1 fiber/cm3 respirable fibers: length >5 µm, aspect ratio >=3:1, as determined by the membrane f ilter method at 400-450X magnification [4-mm objective], using phase-contrast illumination<br>TWA: 5 mg/m$^3$ inhalable fraction | - | - |
| Ammonium Hydroxide<br>7664-41-7 | STEL: 35 ppm<br>TWA: 25 ppm | TWA: 50 ppm<br>TWA: 35 mg/m$^3$<br>(vacated) STEL: 35 ppm<br>(vacated) STEL: 27 mg/m$^3$ | IDLH: 300 ppm<br>TWA: 25 ppm<br>TWA: 18 mg/m$^3$<br>STEL: 35 ppm<br>STEL: 27 mg/m$^3$ |
| Petroleum Hydrocarbon<br>64742-48-9 | ACGIH TWA: 5 mg/m$^3$; ACGIH STEL: 10 mg/m$^3$ | - | - |

**Appropriate engineering controls**

**Engineering Controls** Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS. Provide appropriate local exhaust ventilation if material is to be sanded.

**Individual protection measures, such as personal protective equipment**

| | |
|---|---|
| **Eye/Face Protection** | Use approved safety goggles or safety glasses. If necessary, refer to appropriate regulations & standards. |
| **Skin and Body Protection** | Skin: Wear chemical resistant rubber gloves for repeated or prolonged use.<br>Body: Not required w/ normal use. |
| **Respiratory Protection** | Avoid breathing of dust. Avoid breathing of vapors, mists or spray. If concentrations exceed exposure limits specified, use a NIOSH-approved supplied air respirator. If protection factor exceeded, use self contained breathing apparatus (SCBA). A respiratory protection program that exceeds OSHA 1910.134 & ANSI Z88.2 requirements should be followed when conditions warrant respirator use. If dry sanding preferred, use approved NIOSH/OSHA respirator. |
| **General Hygiene Considerations** | Wash hands w/ soap & water before breaks & @ end of workday. Remove & wash contaminated clothing prior to re-use. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

| | | | |
|---|---|---|---|
| **Physical State** | Paste | | |
| **Appearance** | White paste | **Odor** | Mild Acrylic/slight ammoniacal |
| **Color** | White | **Odor Threshold** | Not determined |

| **Property** | **Note: The information below is not intended for use in preparing product specifications** | **Remarks • Method** |
|---|---|---|
| **pH** | 7.0-10.0 | |
| **Melting Point/Freezing Point** | ~ 0 °C / ~32 °F | |
| **Boiling Point/Boiling Range** | Not established | |
| **Flash Point** | > 93.33 °C / > 200 °F | Ceta Closed Cup |
| **Evaporation Rate** | Not determined | |
| **Flammability (Solid, Gas)** | Not determined | |
| **Upper Flammability Limits** | Unknown | |
| **Lower Flammability Limit** | Unknown | |
| **Vapor Pressure** | Not established | |
| **Vapor Density** | Heavier than air | |
| **Specific Gravity** | ~1.5-2.00 | @ 25 °C (77 °F) |
| **Water Solubility** | Soluble in water | |
| **Solubility in other solvents** | Not determined | |
| **Partition Coefficient** | Not determined | |
| **Auto-ignition Temperature** | Not determined | |
| **Decomposition Temperature** | Not determined | |
| **Kinematic Viscosity** | Not determined | |
| **Dynamic Viscosity** | Not determined | |
| **Explosive Properties** | Not determined | |
| **Oxidizing Properties** | Not determined | |
| **VOC Content (%)** | <1.5% | |
| **VOC Content** | < 40 g/L | |

## 10. STABILITY AND REACTIVITY

**Reactivity**
Not reactive under normal conditions.

**Chemical Stability**
Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**
None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur.

**Conditions to Avoid**
Incompatible Materials. Excessive heat or cold.

**Incompatible Materials**
Strong bases. Oxidizing agents.

**Hazardous Decomposition Products**
Carbon oxides. Nitrogen oxides (NOx).

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information**

**Eye Contact** Eye contact may result in tearing, redness & pain.

**Skin Contact** Prolonged and frequent contact may cause redness and irritation. Repeated skin contact may cause dermatitis.

**Inhalation** Overexposure to vapors during application & curing may mildlyirritate respiratorytract & result in coughing & sneezing.

**Ingestion** May cause gastrointestinal irritation, nausea, diarrhea, and vomiting.

**Component Information**

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| Titanium Dioxide 13463-67-7 | > 10000 mg/kg ( Rat ) | - | - |
| Propylene Glycol 57-55-6 | = 20000 mg/kg ( Rat ) | = 20800 mg/kg ( Rabbit ) | - |
| Ammonium Hydroxide 7664-41-7 | = 350 mg/kg ( Rat ) | - | = 5.1 mg/L ( Rat ) 1 h = 2000 ppm ( Rat ) 4 h |
| Petroleum Hydrocarbon 64742-48-9 | > 5000 mg/kg ( Rat ) | > 3160 mg/kg ( Rabbit ) | - |

**Information on physical, chemical and toxicological effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long -term exposure**

**Sensitization** Not known to be human skin or respiratorysensitizers.

**Carcinogenicity** Titanium dioxide is a possible carcinogen when it appears as a respirable dust Product contains trace amounts of residual Formaldehyde. OSHA & NTP identify Formaldehyde as a potential carcinogen. IARC identifies Formaldehyde as a human carcinogen. Formaldehyde has been shown to cause mutations in a variety of in-vitro test systems, w/ human significance unknown. Rats have shown carcinogenic effects in respiratorysystem. Risk should be minimal when used w/ adequate ventilation. Maintain adequate ventilation to prevent exposure above OSHA exposure limits.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|---|---|---|---|---|
| Titanium Dioxide 13463-67-7 | | Group 2B | | X |
| Soda lime borosilicate glass 65997-17-3 | | Group 3 | | |

***IARC (International Agency for Research on Cancer)***
*Group 2B - Possibly Carcinogenic to Humans*
*Group 3 IARC components are "not classifiable as human carcinogens"*
***OSHA (Occupational Safety and Health Administration of the US Department of Labor)***
*X - Present*

**Target organ effects** Acute: Eyes & Skin. Chronic: Skin.

**Numerical measures of toxicity**
Not determined

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**
PRACTICES SHOULD BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.
.
not tested for aquatic or animal toxicity. Release of product to terrestrial, atmospheric & aquatic environments should be avoided.

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---|---|---|---|---|
| Propylene Glycol 57-55-6 | 19000: 96 h Pseudokirchneriella subcapitata mg/L EC50 | 51600: 96 h Oncorhynchus mykiss mg/L LC50 static 41 - 47: 96 h Oncorhynchus mykiss mL/L LC50 static 51400: 96 h Pimephales promelas mg/L LC50 static 710: 96 h Pimephales promelas mg/L LC50 | | 10000: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50 Static |
| Ammonium Hydroxide 7664-41-7 | | 0.44: 96 h Cyprinus carpio mg/L LC50 0.26 - 4.6: 96 h Lepomis macrochirus mg/L LC50 1.17: 96 h Lepomis macrochirus mg/LLC50 flow-through 0.73 - 2.35: 96 h Pimephales promelas mg/L LC50 5.9: 96 h Pimephales promelas mg/L LC50 static 1.5: 96 h Poecilia reticulata mg/L LC50 1.19: 96 h Poecilia reticulata mg/L LC50 static | | 25.4: 48 h Daphnia magna mg/L LC50 |
| Petroleum Hydrocarbon 64742-48-9 | | 2200: 96 h Pimephales promelas mg/L LC50 | | 2.6: 96 h Chaetogammarus marinus mg/L LC50 |

**Persistence/Degradability**
Not tested for persistence & biodegradability.

**Bioaccumulation**
Not tested for bio-accumulation potential.

**Mobility**
Not tested for mobilityin soil

| Chemical Name | Partition Coefficient |
|---|---|
| Ammonium Hydroxide<br>7664-41-7 | -1.14 |

**Other Adverse Effects**
Environmental Exposure Controls: Should be maintained so as to prevent release to the environment (atmospheric release, release to waterways & spills)

**Ozone**
Not expected to produce any ozone depletion

## 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods**

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**US EPA Waste Number**
Not Applicable

## 14. TRANSPORT INFORMATION

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

## 15. REGULATORY INFORMATION

**International Inventories**

| | |
|---|---|
| **TSCA** | Listed |
| **DSL** | Listed |
| **NDSL** | Listed |

**Legend:**

***TSCA*** *- United States Toxic Substances Control Act Section 8(b) Inventory*

***DSL/NDSL*** *- Canadian Domestic Substances List/Non-Domestic Substances List*

***EINECS/ELINCS*** *- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

***ENCS*** *- Japan Existing and New Chemical Substances*

***IECSC*** *- China Inventory of Existing Chemical Substances*

***KECL*** *- Korean Existing and Evaluated Chemical Substances*

***PICCS*** *- Philippines Inventory of Chemicals and Chemical Substances*

***AICS*** *- Australian Inventory of Chemical Substances*

## US Federal Regulations

### CERCLA

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|---|---|---|---|
| Ammonium Hydroxide<br>7664-41-7 | 100 lb | 100 lb | RQ 100 lb final RQ<br>RQ 45.4 kg final RQ |

### SARA 311/312 Hazard Categories

| | |
|---|---|
| **Acute Health Hazard** | Yes |
| **Chronic Health Hazard** | No |
| **Fire Hazard** | No |
| **Sudden Release of Pressure Hazard** | No |
| **Reactive Hazard** | No |

### SARA 313

| Chemical Name | CAS No | Weight-% | SARA 313 - Threshold Values % |
|---|---|---|---|
| Ammonium Hydroxide - 7664-41-7 | 7664-41-7 | <0.15 | 1.0 |

### CWA (Clean Water Act)

| Component | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---|---|---|---|---|
| Ammonium Hydroxide<br>7664-41-7 ( <0.15) | 100 lb | | | X |

## US State Regulations

### California Proposition 65

This product contains the following Proposition 65 chemicals.

| Chemical Name | California Proposition 65 |
|---|---|
| Titanium Dioxide - 13463-67-7 | Carcinogen |

### U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---|---|---|---|
| Calcium Carbonate<br>1317-65-3 | X | X | X |
| Titanium Dioxide<br>13463-67-7 | X | X | X |
| Propylene Glycol<br>57-55-6 | X | | X |
| Ammonium Hydroxide<br>7664-41-7 | X | X | X |

## 16. OTHER INFORMATION

| | | | | |
|---|---|---|---|---|
| **NFPA** | **Health Hazards** | **Flammability** | **Instability** | **Special Hazards** |
| | 1 | 0 | 0 | Not determined |
| **HMIS** | **Health Hazards** | **Flammability** | **Physical Hazards** | **Personal Protection** |
| | 1 | 0 | 0 | X |

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**Revision Note:** New format

**Disclaimer**

**The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warrantyor quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**

**End of Safety Data Sheet**