



**SECTION 1: Identification and Company Details**

**Product Name:** 2350 HARD-SET Resilient Flooring Adhesive  
**Product Code:** 2350

**Manufacturer/ Supplier:** Roberts Consolidated Industries, Inc.  
**Address:** 300 Cross Plains Blvd.  
Dalton, GA 30721

**Emergency Phone:** (800) 424-9300 (24-hour Response / CHEMTREC)  
**Product Information:** (706) 277-5294

**Recommended Use:** Adhesive

**SECTION 2: Hazard(s) Identification**

**Classification of the substance or mixture:** This product is not classified as hazardous under GHS criteria

**SECTION 3: Composition / Information on Ingredients**

	<u>Weight %</u>	<u>CAS #</u>
Titanium dioxide	0.37	13463-67-7
Crystalline silica, quartz	0.13	14808-60-7
Urea	2.0	57-13-6
Kaolin	13	1332-58-7

This product is an encapsulated mixture which reduces the likelihood of exposure to hazardous particulates. Airborne exposures to hazardous dusts or mists may be generated by spraying, sanding or grinding. During normal usage of the product as recommended, airborne dusts will not be present.

**SECTION 4: First-Aid Measures**

**Inhalation:** Move victim to fresh air. Consult physician if necessary.  
**Skin Contact:** Wash with soap and water. Remove contaminated clothing. Consult physician if necessary.  
**Eye Contact:** Flush with copious amounts of water for at least 15 minutes. Consult physician if necessary.  
**Ingestion:** Do not induce vomiting. Wash mouth with water. Consult physician.  
**Note to Physician:** **Eyes:** Stain for evidence of corneal injury. If cornea is burned, instill antibiotic steroid preparation.  
**Skin:** Treat symptomatically as for contact dermatitis or thermal burns. If burned, treat as thermal burn.  
**Ingestion:** Treat symptomatically. There is no specific antidote. Inducing vomiting is contraindicated because of the irritating nature of this compound. **Respiratory:** Treatment is essentially symptomatic. Remove individual with symptoms from exposure and assist in breathing if necessary.

**SECTION 5: Fire-Fighting Measures**

**Extinguishing Media:** This product is not flammable. Use fire- extinguishing media appropriate for surrounding materials.  
**Hazardous Combustion Products:** No particular hazards known.  
**Protection of Firefighters:** Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

**SECTION 6: Accidental Release Measures**

**Personal Precautions:** Use protective gloves, goggles and suitable protective clothing.  
**Environmental Precautions:** Do not allow product to get into drains, soil, or surface water.  
**Methods of Clean-up:** Small Spillages: Absorb with sand or other inert absorbent. Large Spillages: Dam and absorb spillages. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Wear necessary protective equipment.

**SECTION 7: Handling and Storage**

**Handling Precautions:** Provide good ventilation. Do not use in confined spaces without adequate ventilation and/or respirator. Avoid contact with skin and eyes. Do not eat, drink or smoke when using the product.  
**Storage:** Keep separate from food, feedstuffs, fertilizers and other sensitive material. Store in closed original container at temperatures between 5°C and 30°C/ 40°F and 86°F. Protect from freezing and direct sunlight.

**SECTION 8: Exposure Control / Personal Protection**

**Exposure Guidelines:** Not determined  
**Engineering Controls:** Provide adequate ventilation.

**Personal Protective Equipment:**

**Skin Protection** - Permeation resistant gloves (butyl rubber, nitrile rubber, PVC or polyvinyl alcohol).

**Eye/Face Protection** - Glasses with side shields, chemical splash goggles and/or face shield.

<u>Chemical Name / CAS No.</u>	<u>OSHA Exposure Limits</u>	<u>ACGIH Exposure Limits</u>	<u>Other Exposure Limits</u>
Kaolin	5 mg/m3(respirable)	2 mg/m3 TWA	NIOSH: 10mg/m3 TWA (Total dust)
Quartz/ 14808-60-7	Not Established	0.025 mg/m3 (respirable fraction)	NIOSH: 0.05 mg/m3 TWA (respirable dust)
Titanium Dioxide/ 14808-60-7	15 mg/m3 TWA (total dust)	10 mg/m3 TWA	Not Available
Urea	Not Established	Not Established	Not Established

**SECTION 9: Physical and Chemical Properties**

**Appearance:** cream colored paste  
**Odor:** Very mild, non- offensive odor  
**Relative Density:** 1.12  
**Odor Threshold:** Not available  
**Solubility:** Miscible in water  
**pH:** 8.1-9.0  
**Partition Coefficient:** n-octanol/water; Not determined  
**Melting Point:** Not determined  
**Freezing Point:** Not determined  
**Auto-ignition Temperature:** Not determined  
**Flash Point:** Non- flammable > 204 C (400 F) Cleveland Closed Cup  
**Decomposition Temperature:** Not determined  
**Evaporation Rate:** Not determined  
**Viscosity:** Not determined  
**Flammability (Solid/Gas):** Not applicable  
**Upper/Lower Flammability:** Not determined  
**VOC Content:** <1 g/L  
**Vapor Pressure:** Not Determined  
**Boiling Point:** 100°C/ 212°F

**SECTION 10: Stability and Reactivity**

**Chemical Stability:** Stable under normal temperature conditions and recommended use.  
**Conditions to Avoid:** Excessive heat, direct sunlight and/or frost.  
**Materials to Avoid:** None.

**SECTION 11: Toxicological Information****Routes of exposure:**

Inhalation  
Ingestion  
Skin contact  
Eye contact  
Acute effects

**Acute oral toxicity:** Acute toxicity estimate > 2,000 mg/kg. Method: calculation method.  
Virtually nontoxic after a single ingestion.

**Acute inhalation toxicity:** Acute dermal toxicity: LD50 (Rabbit) : > 2,000 mg/kg. Method: calculation method. Virtually nontoxic after a single skin contact.

Acute toxicity estimate: > 20 mg/l. Method: calculation method. Test atmosphere: vapour Exposure time: 4h. Virtually nontoxic by inhalation  
Non-irritant.

**Skin corrosion/irritation:****Serious eye damage/eye irritation****Result:**

Eye irritation.

**Respiratory or skin sensitization:**

Non-sensitizing.

**Specific target organ toxicity (STOT)****Single:**

Based on the available information there is no specific target organ toxicity after a single exposure.

**Aspiration hazard:**

No aspiration hazard expected.  
Chronic toxicity/effects

**Specific target organ toxicity (STOT)****repeated exposure:**

No known significant effects or critical hazards.

**Germ cell mutagenicity:**

No known significant effects or critical hazards.

**Carcinogenicity:**

Titanium dioxide is listed as IARC Group 2B (possibly carcinogenic to humans). Respirable crystalline silica dust is listed with IARC as a Class 1 carcinogen and with NTP as a suspected carcinogen. Prolonged or excessive exposure to silica can cause silicosis. This formula contains hazardous fillers which are not hazardous in a wet or encapsulated state. However, if the formula is reduced to a respirable fraction by grinding or putting into an airborne powder, the powder is considered a hazardous material.

**Reproductive toxicity:**

No known significant effects or critical hazards.

**Remarks:**

The product has not been tested. The statement has been derived from the properties of the individual components.

**SECTION 12: Ecological Information**

**Mobility and Bioaccumulation Potential:** Not determined

**Degradation:** Not determined

**Aquatic Toxicity:** Not determined

**LC50 – 24 hour (Static):** Not determined

**SECTION 13: Disposal Considerations**

**Disposal:** Dispose of waste and residues in accordance with local authority requirements. Incineration is the preferred method of disposal.

**Wastes or Residues:** Same as above.

**SECTION 14: Transport Information**

**Road:** DOT Proper Shipping Name: **Non-Regulated**

DOT Packing Group: N/A

DOT Label: N/A

UN Number: N/A

**Ocean:** Proper Shipping Name: **Non-Regulated**  
Sea – IMO/IMDG Class: N/A  
UN Number: N/A  
Label: N/A  
Packing Group: N/A  
Marine Pollutant: N/A  
EMS: N/A

**Air:** Proper Shipping Name: **Non-Regulated**  
Air – ICAO/IATA Class: N/A  
UN Number: N/A  
Label: N/A  
Sub Class: N/A  
Packing Group: N/A  
Pack Instr. Passenger: N/A  
Pack Instr. Cargo: N/A

#### **SECTION 15: Regulatory Information**

**Status on Substance Lists:** The concentrations shown in this document are maximum levels (weight %) to be used for regulations.

**TSCA:** The components of this product are contained on the chemical substance inventory list

**Canada DSL:** All components are on the DSL list or exempt.

**California Proposition 65:** Does not contain any listed chemical to the best of our knowledge.

#### **SECTION 16: Other Information**

This Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Hazardous Products Regulation (WHMIS 2015)

**HMIS RATING: HEALTH-1, FLAMMABILITY-0, REACTIVITY-0, PERSONAL PROTECTION- B.**

Prepared by: Roberts Product Safety & Regulatory Compliance Group,

The information herein is given in good faith, but no warranty expressed or implied is made. Roberts urges users of this product to evaluate its suitability and compliance with local regulations as Roberts cannot foresee the final use of the product, nor the final location of usage.

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