Safety Data Sheet
Revision Date: 12/19/2017

SECTION 1: Identification and Company Details

Product Name:	**Roberts 7500 Vinyl Seam Sealer**
Product Code:	7500
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

OSHA/HCS status:	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Classification of the substance or mixture:	This product is not classified as hazardous under GHS criteria.
Signal Word:	No signal word

SECTION 3: Composition / Information on Ingredients

Substance/mixture: Mixture

	Weight %	CAS #
Titanium dioxide	≥0.3-<1%	13463-67-6

Any concentration shown as a range is to protect confidentially or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First-Aid Measures

Inhalation:	Move victim to fresh air and keep at rest in a position comfortable for breathing. Consult physician if necessary.
Skin Contact:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Consult physician if necessary.
Eye Contact:	Flush with copious amounts of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Consult physician if necessary.
Ingestion:	Do not induce vomiting. Wash mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Consult physician.
Note to Physician:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

See toxicological information (Section 11)

SECTION 5: Fire-Fighting Measures

Extinguishing Media:	Use fire-extinguishing media appropriate for surrounding materials.
Hazardous Combustion	

Products: No particular hazards known.

Specific hazards arising from the Chemical: In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal Decomposition products: Decomposition products may include the following materials:
Carbon dioxide
Carbon monoxide
Metal oxide/oxides

Protection of Firefighters: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Special protective actions For firefighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

SECTION 6: Accidental Release Measures

Personal Precautions: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

Emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods of Clean-up: Small spillages stop leak if without risk. Move containers from spill area. Dilute with water and Mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. Large spill stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7: Handling and Storage

Handling Precautions: Put on appropriate personal protective equipment (see Section 8). Do not eat, drink or smoke when using this product.

Advice on general Occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Storage: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8: Exposure Control / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Titanium Dioxide/ 13463-67-7	15mg/m3 TWA (total dust)	10mg/m3 TWA	Not Established

Appropriate engineering Controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure Controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection Measures

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

SECTION 9: Physical and Chemical Properties

Appearance:	liquid (paste)
Odor:	Not available
Relative Density:	1.15
Odor Threshold:	Not available
Solubility:	Not available
pH:	5.5
Melting Point:	0°C (32°F)
Freezing Point:	Not avialable
Flash Point:	Not available
Evaporation Rate:	Not available
Viscosity:	Not available
Flammability (Solid/Gas):	Not available
Upper/Lower Flammability:	Not available
VOC Content:	< 1 g/L
Vapor Pressure (mmHg at 20c):	Not available
Boiling Point:	100°C (212°F)

SECTION 10: Stability and Reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients

Chemical Stability: Stable under normal temperature conditions and recommended use.
Conditions to Avoid: No specific data
Materials to Avoid: No specific data
Hazardous decomposition: Under normal conditions of storage and use, hazardous decomposition products should not be produced

SECTION 11: Toxicological Information

Acute toxicity:

Product/Ingredient name	Result	Species	Dose	Exposure
Titanium dioxide	LD50	Rat	24000 mg/kg	-

Irritation/ Corrosion:

Product/Ingredient name	Result	Species	Score	Exposure	Observation
Titanium dioxide	Skin- Mild Irritant	Human	-	72 hours 300 Micrograms Intermittent	-

Sensitization

Mutagenicity Not available
Carcinogenicity Not available
Conclusion/Summary: Titanium dioxide in free form (unbound) airborne and at particle size less than 10 microns is listed as a Group 2B, possibly carcinogenic to humans by IARC. Titanium dioxide used in this product is bounded and not considered equivalent to IARC condition as a carcinogen.

Classification:

Product/ingredient name	OSHA	IARC	NTP
Titanium dioxide	-	2B	-

Reproductive toxicity: Not available
Teratogenicity: Not available
Specific target organ toxicity
Single exposure: Not available
Specific target organ toxicity
repeated exposure: Not available
Aspiration hazard: Not available

Potential acute health effects: No known significant effects or critical hazards.
Symptoms related to the physical, chemical and toxicological characteristics: No specific data
Delayed and immediate effects and also chronic effects from short and long term exposure
Short term exposure:
Potential immediate effects: Not available
Potential delayed effects: Not available
Long term exposure:
Potential immediate effects: Not available
Potential delayed effects: Not available
Potential chronic health effects:
General : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity
Acute toxicity estimates: Not available

SECTION 12: Ecological Information

Toxicity

Product/ ingredient name	Result	Species	Exposure
Titanium dioxide	**Acute EC50 5.83 mg/l Fresh water**	**Algae –Pseudokirchneriella subcapitata – Exponential growth phase**	**72 hours**
	Acute LC50 3 mg/l Fresh water	**Crustaceans – Ceriodaphnia dubia – Neonate**	**48 hours**
	Acute LC50 5.5 ppm Fresh water	**Daphnia – Daphnia magna – Juvenile (Fledgling, Hatchling, Weanling)**	**48 hours**
	Acute LC50 2.19 mg/l Fresh water	**Fish – Oryzias latipes - Larvae**	**96 hours**
	Chronic NOEC 0.984 mg/l	**Algae –Pseudokirchneriella subcapitata – Exponential growth phase**	**72 hours**
	Chronic NOEC 0.02 mg/l Fresh water	**Daphnia – Daphnia magna – Juvenile (Fledgling, Hatchling, Weanling)**	**21 days**
	Chronic NOEC 0.1 mg/l Fresh water	**Fish - Danio rerio - Adult**	**10 weeks**

Persistence and degradability: Not available

Bioaccumulative potential

Product/ ingredient name	$LogP_{ow}$	BCF	Potential
Titanium dioxide	-	352	low

SECTION 13: Disposal Considerations

Disposal: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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

Special precautions for user: **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

SECTION 15: Regulatory Information

California Proposition 65: **WARNING**: This product contains a chemical known to the State of California to cause cancer.

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
Titanium dioxide	**Yes**	**No**	**No**	**No**
Silica, crystalline-quartz	**Yes**	**No**	**No**	**No**

U.S Federal regulations **TSCA 8(a) PAIR:** mequinol

United States Inventory (TSCA 8b) All components are listed or exempted

Clean Air Act Section 112(b)

Hazardous Air Pollutants (HAPs): Not listed

Clean Air Act Section 602 Class I Substances :

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals): Not listed

SARA 302/304

No products were found

SARA 304 RQ: Not applicable

SARA 311/312 Classification: Not applicable

Composition/information on ingredients:

Name	%	Fire Hazard	Sudden release of pressure	reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Titanium dioxide	≥0.3 - <1	No	No	No	No	Yes

State regulations:

Massachusettes: None of the components are listed

New York: None of the components are listed

New Jersey: The following components are listed: Kaolin; titanium dioxide

Pennsylvania: The following components are listed: Kaolin; titanium dioxide

International lists:

National Inventory:

Australia: Not determined

Canada: At least one component is not listed in DSL but all such components are listed in NDSL

Europe: Not determined

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).

HMIS RATING: HEALTH-1, FLAMMABILITY-1, REACTIVITY-0

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

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