

Siliconized Acrylic Latex Sealant

SAFETY DATA SHEET

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Version 1

Section 1 – Product & Company Information

Company

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Product

174 Series Siliconized Acrylic Latex Sealant
MSDS No. Amer-004 Revision 1
Date of Revision: August 07, 2013
Recommended Use: Premium quality, spec-compliant general purpose elastomeric sealant.

General Description: Acrylic Latex Sealant

Physical Form: Smooth Paste

Color: White & Various Additional Colors

Odor: Mild Acrylic

NFPA Profile: Health: 1 Flammability: 1 Reactivity: 0

Haz. Materials Identification System (HMIS): Health: 1, Flammability: 1, Physical Hazard: 0
0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe, * = Chronic

Section 2 – Hazards Identification

GHS Labeling & Classification: Product classified as per GHS Standards.

Classification: Acute Oral Toxicity Cat. 5, Eye Irritation Cat. 2B, Skin Irritation Cat. 3, Aquatic

Chronic Toxicity Cat. 4

Signal Word: Warning

Hazard Statement Codes: H303, H316, H320, H413,

Precautionary Statement Codes: P264, P273, P280, P332+P313, P305+P351+P338, P337+P313,
P501

Hazard Symbols/Pictogram: None

Emergency Overview

Colored paste product. Harmful if swallowed or absorbed through skin.

Health Hazard: Caution! May cause eye, skin & respiratory tract irritation, particularly if exposure prolonged. May be harmful if ingested.

Flammability Hazard: Product is combustible & may ignite if exposed to high temperature or direct flame.

Reactivity Hazard: Product not reactive.

Environmental Hazard: Product has not been tested for environmental impact.

Canadian WHMIS Symbols: Not applicable.

U.S. OSHA Regulatory Status: Material has a classification under GHS, as applied under OSHA regulations, as given earlier in section.

Section 3 – Composition/Information on Ingredients

<u>CAS Number</u>	<u>%/Wt</u>	<u>Component Name</u>	<u>GHS Class. Haz. Statement</u>
1317-65-3	< 40	Calcium Carbonate**	Not Applicable
(Mixture)	< 45	Acrylic Emulsion	Not Applicable
Proprietary	< 10	Benzoate Ester	Not Applicable
64742-48-9	< 0.75	Petroleum Distillate	Not Applicable
13463-67-7	< 2	Titanium Dioxide**	Not Applicable
7664-41-7	< 0.25	Ammonium Hydroxide	Not Applicable
Various	< 5	Non-Haz. Ingredients*	Not Applicable
1333-86-4	0 to 0.25	Carbon Black***	Not Applicable

* Unlisted ingredients are not considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200). ** Inhalation of particulates unlikely due to product's physical state. *** May be present @ very low levels in colors other than White. Calculated VOC: < 1.5%/wt (< 25 g/L). CARB Compliance: Yes. Prop 65 Ingredients: Yes.

Section 4 – First-Aid Measures

Eye: Immediately flush w/ large quantities of water for @ least 15 minutes until irritation subsides. Get medical attention.

Skin: 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 difficult, leave area to obtain fresh air. If breathing remains difficult, get medical attention.

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

Medical Conditions Aggravated By Exposure: Dermatitis or other pre-existing skin conditions may be aggravated by overexposure to this product.

NOTES TO PHYSICIAN: Treat symptoms & eliminate overexposure.

Section 5 – Fire Fighting Measures

Flash Point: > 93C (> 200F)

Autoignition Temperature: Unknown

Flammability Limits in Air: Unknown

Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam, Water Fog. Use extinguishing materials suitable for the surrounding fire.

Fire Fighting Measures: Wear self-contained breathing apparatus pressure demand (NIOSH approved or equivalent & full protective gear. Use water spray to cool exposed surfaces.

Unusual Fire Hazards: None known.

Section 6 – Accidental Release Measures

Personal Protective Equipment:

Small Spills: 1 drum or less – Level D Equipment (gloves, chemical resistant apron, boots & eye protection).

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.

Clean-up & Containment: Restrict access to spill area. Gently cover spill w/ polypads. Scrape up/pick up spilled material & place in suitable containers. Absorb residual w/ material such as sand. Place contaminated absorbent & other materials in appropriate containers & seal. Do not mix w/ wastes from other materials. Dispose of in accordance w/ applicable Federal, State & Local procedures. Dispose of recovered material & report spill as per regulatory requirements. Clean spill area w/ soap & water.

Environmental Precautions: Minimize use of water to prevent environmental contamination. Prevent spill or rinse from contaminating storm drains, sewers, soil or groundwater. Place spill residues in suitable container & seal. 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 authority has been notified in writing prior to discharge. Do not allow discharge containing this material to enter sewer systems w/o previously notifying local sewage treatment plant authority. For information, contact State Water Board or EPA Regional Office.

Other: U.S. regulations may require reporting of spills of this material reaching surface Waters if sheen is formed.

Section 7 – Handling & Storage

Handling: Keep out of reach of children & pets. Do not take internally. Do not breathe vapors. Use only w/ adequate ventilation. Wash thoroughly after 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.

Storage: 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 (see Sec. 10). Close container after each use & keep tightly closed when not in use. To maximize shelf life, store @ temperatures below 26C (80F).

Section 8 – Exposure Controls & Personal Protection

Use w/ adequate ventilation to ensure exposure levels maintained below limits provided:

Component Exposure Limits

CAS No.	Component Name	Exposure Limits
1317-65-3	Calcium Carbonate	OSHA PEL TWA: 15 mg/m ³ total dust 5 mg/m ³ respirable fraction NIOSH REL TWA: 10 mg/m ³ total dust 5 mg/m ³ respirable

			fraction
Mixture	Acrylic Emulsion	NE	
Proprietary	Benzoate Ester	NE	
57-55-6	Propylene Glycol	AIHA WEEL TWA: 10 mg/m3	
13463-67-7	Titanium Dioxide	ACGIH TLV TWA: 10 mg/m3	
1333-86-4	Carbon Black	ACGIH TLV TWA: 3.5 mg/m3 (inhalable fraction)	
		OSHA PEL TWA: 3.5 mg/m3	
		NIOSH REL TWA: 3.5 mg/m3	
		DFG MAK TWA: As inhalable dust	
64742-48-9	Petroleum Distillate	ACGIH TWA: 5 mg/m3; ACGIH STEL: 10 mg/m3	
		OSHA TWA: 5 mg/m3	

Personal Protective Equipment

Eyes/Face: Use approved safety goggles or safety glasses. If necessary, refer to appropriate regulations & standards.

Skin: Wear chemical impervious gloves (eg: Nitrile or Neoprene). Use triple gloves for spill response. If necessary, refer to appropriate regulations & standards.

Body: Use protection appropriate for task (eg: lab coat, coveralls, Tyvek suit).

If necessary, refer to OSHA Technical Manual (Sec. VII: Personal Protective Equipment) or appropriate Standards of Canada. Use foot protection, as described in appropriate regulations & standards.

Respiratory: If mists or sprays are created, use appropriate respiratory protection. Oxygen levels below 19.5% considered IDLH by OSHA. In such instances, use full-facepiece pressure demand SCBA or a full facepiece, supplied air respirator w/ auxillary self-contained air supply.

Section 9 – Physical & Chemical Properties

Physical Form: Paste

Color: White + various additional colors

Odor: Mild Acrylic

Specific Gravity @ 25C: ~ 1.40 to 1.50

Freezing/Melting Point: < 0 C (< 32 F)

Boiling Point: NE

Vapor Pressure @ 25C: NE

Relative Vapor Density (air = 1): Heavier than air

Solubility in Water: Soluble

pH: 7 to 9

VOC is (28 grams/liter ASTM D2369). VOC Compliant.

Note: The above information is not intended for use in preparing product specifications.

Section 10 – Stability & Reactivity

Chemical Stability: Stable under normal conditions. Cures upon contact w/ air.

Hazardous Polymerization: Hazardous polymerization will not occur under normal conditions.

Product cures slowly upon contact w/ air.

Conditions to Avoid: Avoid contact w/ incompatible chemicals & exposure to extreme temperatures.

Materials to Avoid: Product not compatible w/ strong acids.

Hazardous Decomposition Products: Thermal decomposition can generate irritating dust, fumes & toxic gases (carbon, titanium & iron oxides, depending upon formulation)

Section 11 – Toxicological Information

Potential Health Effects: The significant routes of occupational overexposure are inhalation & contact w/ skin & eyes.

Symptoms as follows:

Skin or Eye Contact: Contact may result in mild skin irritation. Prolonged or repeated skin contact may result in dermatitis (red, dry skin). Eye contact may result in tearing, redness & pain.

Skin Absorption: Components in finished product not known to be absorbed through intact skin.

Ingestion: If product swallowed, mild irritation to mouth, throat & other tissues of gastro-intestinal system may result & may cause nausea, vomiting & diarrhea.

Inhalation: Overexposure to vapors during application & curing may mildly irritate respiratory tract & result in coughing & sneezing.

Injection: Accidental injection of product (puncture w/ contaminated object) may result in redness, burning & swelling.

Target Organs: Acute: Eyes & Skin. Chronic: Skin.

Chronic Effects: Repeated or prolonged skin contact may result in dermatitis (red, dry skin).

Toxicity Data: No toxicity data currently available for product.

Carcinogenicity:

ACGIH: Small amount of Silica, crystalline present in Calcium Carbonate & trace residual Formaldehyde present in base emulsion are suspected human carcinogens. Titanium Dioxide: Not classifiable as a human carcinogen. Carbon Black: Confirmed animal carcinogen w/ unknown relevance to humans.

OSHA: Trace residual Formaldehyde present in base emulsion viewed as possible cancer hazard.

IARC: Trace residual Formaldehyde: Human carcinogen. Carbon Black & Titanium Dioxide: Possibly carcinogenic to humans.

NTP: Silica, crystalline present in small amount in Calcium Carbonate filler: Known carcinogen. Trace residual Formaldehyde: Anticipated carcinogen.

EPA: None.

NIOSH: Carbon Black & Titanium Dioxide: Potential occupational carcinogens w/ no further categorization.

PROP 65: Warning: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Irritancy of Product: May mildly irritate contaminated tissue, especially when prolonged. Eye irritation may be more pronounced.

Sensitization of Product: Not known to be human skin or respiratory sensitizers.

Toxicological Synergistic Products: None known.

Section 12 – Ecological Information

PRACTICES SHOULD BE AIMED @ ELIMINATING ENVIRONMENTAL CONTAMINATION.

Mobility: Not tested for mobility in soil.

Persistence & Biodegradability: Not tested for persistence & biodegradability.

Bio-Accumulation Potential: Not tested for bio-accumulation potential.

Ecotoxicity: Product not tested for aquatic or animal toxicity. Release of product to terrestrial, atmospheric & aquatic environments should be avoided.

Other: Not expected to produce any ozone depletion.

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

Section 13 – Disposal Considerations

RCRA Hazard Class (40 CFR 261)

When a decision is made to discard material, as received, is it classified as a hazardous waste? No.

State or local laws may impose additional regulatory requirements regarding disposal.

Generator of waste is responsible for waste determination & execution.

U.S. EPA Waste No. Not Applicable

Section 14 – Transportation Information

DOT Road Shipment Information (49 CFR 172.101): Not classified as dangerous goods.

Ocean – International Maritime (IMO): Not classified as dangerous goods.

Air Shipment (IATA): Not classified as dangerous goods.

Transport Canada: Not classified as dangerous goods.

Section 15 – Regulatory Information

U.S. SARA Requirements: No ingredient subject to reporting requirements of Section 302, 304 or 313 of Title III of SARA (Superfund Amendments & Reauthorization Act)

U.S. SARA Haz. Categories (311/312, 40 CFR 370-21): Acute: Yes. Chronic: No. Fire: No. Reactive: No. Sudden Release: No.

U.S. TSCA Inventory: All components included on TSCA Inventory or exempt.

U.S. CERCLA Reportable Quantity: Not Applicable.

U.S. Clean Air Act (Ca 112R) Threshold Quantity: Not Applicable.

Other U.S. Federal Regs: Not Applicable.

Prop 65: (California Safe Drinking Water & Toxic Enforcement Act): Trace residual Formaldehyde in base polymer. Small levels Silica, Crystalline in Calcium Carbonate filler. Small levels of Carbon that may be required in some colors. (Due to products physical form, inhalation of Carbon Black, Silica, Crystalline & Titanium Dioxide highly unlikely)

Additional Canadian Regs: Canadian DSL/NDSL: Materials listed by CAS Number (Sec. 3) are listed on DSL Inventory. CEPA (Canadian Environmental Protection Act): No material in product included on CEPA Priorities Substances List. Canadian WHMIS Regs: Classified as a Controlled Product, Haz. Class D2B (Immediate Acute Toxicity/Irritation).

Additional Mexican Regs: Mexican Workplace (NOM-018-STPS-2000): Not classified as hazardous.

Section 16 – Other Information

Warnings (ANSI Z129.1): Caution! May cause eye, skin & respiratory tract irritation, especially when exposure is prolonged. Avoid eye contact, skin contact & avoid contact w/ clothing. Avoid breathing fumes, dust, vapors or mist. Do not taste or swallow. Wash thoroughly after handling. Keep container tightly closed. Use only w/ adequate ventilation. Keep away from heat & flame. Wear gloves, eye protection, respiratory protection & body protection.

First-Aid: In event of contact, immediately flush eyes & skin w/ plenty of water. Remove contaminated clothing & shoes. Get medical attention if irritation develops or persists. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing difficult, give oxygen. If swallowed, do not induce vomiting. Get medical attention. In case of fire: Use water fog, foam, dry chemical or CO2. In case of spill: Absorb spilled product w/ polypads or other suitable absorbing material. Place spill residue in appropriate container & seal. Dispose of in accordance w/ U.S. Federal, State & local hazardous waste disposal regulations & those of Canada.

Global Harmonization Labeling & Classification:

Classification: Acute Oral Toxicity Category 5, Eye Irritation Category 2B, Skin Irritation Category 3, Aquatic Chronic Toxicity Category 4.

Signal Word: Warning

Hazard Statements: H303: May be harmful if ingested. H316: Causes mild skin irritation. H320: Causes eye irritation. H413: May be harmful to aquatic life w/ long-lasting effects.

Precautionary Statements: Prevention: P264: Wash thoroughly after handling. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response: P332 + P313: If skin irritation occurs, get medical attention. P305 + P351 + P338: If in eyes: Rinse cautiously w/ water for several minutes. Remove contact lenses, if present & easy to do. P337 + P313: If eye irritation persists: Get medical advice/attention.

Storage: None.

Disposal: P501: Dispose of contents/containers in accordance w/ all local, regional, national & international regulations.

Hazard Symbols/Pictogram: None Applicable.

Disclaimer:

Information provided in this SDS provided in good faith & based on data believed to be accurate as of date of this sheet. No warranty of fitness for use/ purpose, merchantability, is expressed or implied w/ regard to accuracy & completeness. Results from use of information or product, safety of product or hazards related to product use. All materials may present hazards & should be used w/ caution. Because multiple factors can affect application or performance, it is recommended that you test to determine suitability of product for your purpose, prior to use. Manufacturer is not responsible for any damage or injury resulting from use or from any failure to adhere to recommended practices or applicable Federal, State or local laws or regs. Information provided & the product, furnished on the condition that person receiving them shall make their determination as to suitability of product for their purpose & on condition they assume the risk of their use. Further, no authorization is given or implied to practice any patented invention w/o a license.

Legend: NA – Not Applicable, NE – Not Established, UN – Unavailable, VOC – Volatile Organic Compound, PEL – Permissible Exposure Limit, TLV – Threshold Limit Value, STEL – Short Term Exposure Limit, MSDS – Material Safety Data Sheet, ACGIH – American Conference of Governmental Industrial Hygienists, SARA – Superfund Amendments & Reauthorization Act of 1986, OSHA – Occupational Safety & Health Administration, HMIS – Hazardous Materials Identification System, NTP – National Toxicology Program, CEIL – Ceiling Exposure Limit, CASRN (CAS Number) – Chemical Abstracts Service Registry Number, TSCA – Toxic Substances Control Act, NFPA – National Fire Protection Association, DFG MAKs – Fed. Republic of Germany Maximum Concentration Values in Workplace, IDLH – Immediately Dangerous to Life & Health; represents a concentration from which one can escape within 30 minutes w/o permanent injury,
