



SAFETY DATA SHEET

Document #: SDS 038

Revision: 1

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FormFill Color Matched Siliconized Acrylic Latex

Section 1: Product and Company Identification

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Emergency Phone Number
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Product Identifier: FormFill Siliconized Acrylic Latex
Recommended Use: Premium quality, spec-compliant general purpose elastomeric sealant.
Restrictions on Use: None known.

Section 2: Hazard(s) Identification

Classification in accordance with 29 CFR 1910.1200.

Acute oral toxicity, Category 5
Eye irritation, Category 2B
Skin irritation, Category 3
Aquatic chronic toxicity, Category 4

Acute and Delayed Effects: Prolonged or repeated skin contact may result in dermatitis (red, dry skin). Direct contact with eyes may cause temporary irritation. Exposed individuals may experience 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 may mildly irritate respiratory tract and result in coughing and sneezing.

Indication of Immediate Medical Attention and Special Treatment Needed, If Needed: Treat symptomatically and supportively. Dermatitis or other pre-existing skin conditions may be aggravated by overexposure to this product.

GHS Label Elements

Symbol(s): None.

Signal Word: Warning
Hazard Statement(s): May be harmful if swallowed.
Causes mild skin irritation.
Causes eye irritation.
May cause long lasting harmful effects to aquatic life.

Precautionary Statement(s)
Prevention: Wash thoroughly after handling.
Avoid release to the environment.

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Response: Wear protective gloves/protective clothing/eye protection/face protection.
If skin irritation occurs: Get medical advice/attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

Storage: Close container after each use and keep tightly closed when not in use. Store containers in a cool, dry location, away from direct sunlight & high temperatures. Protect from freezing.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3: Composition/Information on Ingredients

<u>CAS</u>	<u>Component</u>	<u>Percent</u>
Mixture	Calcium Carbonate**	< 40
Mixture	Acrylic Emulsion	< 45
Proprietary	Benzoate Ester	< 10
64742-48-9	Petroleum Distillate	< 0.75
13463-67-7	Titanium Dioxide	< 2
7664-41-7	Ammonium Hydroxide	< 0.25
Various	Non-hazardous Ingredients*	< 5
1333-86-4	Carbon Black	0 – 0.25

*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 at 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

Inhalation: IF INHALED: Remove to fresh air.
If breathing difficult, leave area to obtain fresh air.
If breathing remains difficult, get medical attention.

Skin Contact: IF ON SKIN: Wash off with plenty of soap and water while removing all contaminated clothes and shoes.
If irritation persists: Get medical advice/attention.
Wash contaminated clothing before use.

Eye Contact: IF IN EYES: Flush eyes with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation develops and persists: Get medical advice/attention.

Ingestion: Do not induce vomiting, unless directed by medical personnel.
Get immediate medical attention if symptoms occur.
If vomiting occurs, keep head low so that stomach content does not get into the lungs.

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Section 5: Fire-Fighting Measures

Suitable Extinguishing Media: Use carbon dioxide, regular dry chemical powder, alcohol-resistant foam, or water fog.

Unsuitable Extinguishing Media: None known.

Specific Hazards Arising from the Chemical

Hazardous Decomposition Products: Carbon, titanium and iron oxides, depending upon formulation.

Special Protective Equipment and Precautions for Firefighters: Firefighters must use standard protective equipment including flame retardant coat, helmet, gloves, rubber boots, and self-contained breathing apparatus.

Specific extinguishing methods: Use water spray to cool exposed surfaces.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: 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.

Environment 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 with requirements of National Pollutant Discharge Elimination System (NPDES) permit and permitting authority has been notified in writing prior to discharge. Do not allow discharge containing this material to enter sewer systems without previously notifying local sewage treatment plant authority. For information, contact State Water Board or EPA Regional Office.

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

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Section 7: Handling and Storage

Precautions for Safe Handling

Protective Measures:

Avoid breathing vapors. Use only with adequate ventilation. Open windows & doors to ensure fresh air cross-ventilation during application and curing.
 Avoid contact with skin, eyes or clothing. Do not take internally.
 While handling product keep out of reach of children and pets.

Advice on General Occupational Hygiene:

Do not eat, drink, or smoke when using this product.
 Wash thoroughly after handling.
 Wash contaminated clothing before reuse.

Conditions for Safe Storage, including any Incompatibilities:

Store containers in a cool, dry location, away from direct sunlight and high temperatures. Close container after each use and keep tightly closed when not in use.
 Protect from freezing.
 To maximize shelf life, store at temperatures below 26 °C (80 °F).

Incompatibilities:

Strong acids

Section 8: Exposure Controls/Personal Protection

Component Exposure Limits

CAS	Component	Exposure Limits
1317-65-3	Calcium Carbonate	OSHA PEL: 15 mg/m3 TWA (Total dust); 5 mg/m3 TWA (Respirable fraction)
		NIOSH REL: 10 mg/m3 TWA (Total dust); 5 mg/m3 TWA (Respirable fraction)
Mixture	Acrylic Emulsion	NE
Proprietary	Benzoate Ester	NE
57-55-6	Propylene Glycol	AIHA WEEL: 10 mg/m3 TWA
13463-67-7	Titanium Dioxide	ACGIH TLV: 10 mg/m3 TWA
1333-86-4	Carbon Black	ACGIH TLV: 3.5 mg/m3 TWA (Inhalable fraction)
		OSHA PEL: 3.5 mg/m3 TWA
		NIOSH REL: 3.5 mg/m3 TWA
		DFG MAK: TWA (As inhalable dust)
64742-48-9	Petroleum Distillate	ACGIH: 5 mg/m3 TWA; 10 mg/m3 STEL
		OSHA: 5 mg/m3 TWA

Appropriate Engineering Controls:

Provide adequate general and local exhaust ventilation.

Individual Protection Measures

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Eye/Face Protection:	Wear tightly sealed safety glasses according to EN 166.
Skin Protection:	Skin should be washed after contact. 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.
Hand Protection:	Wear chemical impervious gloves (eg: Nitrile or Neoprene). Use triple gloves for spill response. If necessary, refer to appropriate regulations & standards. Wash hands before breaks and at the end of workday.
Respiratory Protection:	If mists or sprays are created, use appropriate respiratory protection. Oxygen levels below 19.5% considered IDLH by OSHA. In such instances, use full-face piece pressure demand SCBA or a full face piece, supplied air respirator w/ auxiliary self-contained air supply.

Section 9: Physical and Chemical Properties

Physical State: Smooth paste	Appearance: Paste
Color: White + various additional colors	Physical Form: Paste
Odor: Mild acrylic	Odor Threshold: Not available
pH: 7 – 9	Freezing/Melting Point: < 0 °C / < 32 °F
Boiling Point/Boiling Range: Not available	Decomposition: Not available
Flash Point: > 93 °C (> 200 °F)	Evaporation Rate: Not available
OSHA Flammability Class: Not classified as a flammability hazard	Vapor Pressure: Not available
Vapor Density (air = 1): > 1 (air=1)	Density: Not available
Specific Gravity (water = 1): ~1.40-1.50 (at 25 °C)	Water Solubility: Soluble
Log KOW: Not available	Coeff. Water/Oil Dist: Not available
KOC: Not available	Auto Ignition: Not available
Viscosity: Not available	VOC: Not available
Volatility: Not available	Molecular Formula: Not applicable

Section 10: Stability and Reactivity

Reactivity:	Cures upon contact with air.
Chemical Stability:	Stable at normal temperatures and pressure.
Possibility of Hazardous Reactions:	Hazardous polymerization does not occur.
Conditions to Avoid:	Exposure to extreme temperatures.
Incompatible Materials:	Strong acids
Hazardous Decomposition Products:	Thermal decomposition can generate irritating dust, fumes, and toxic gases

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(carbon, titanium & iron oxides, depending upon formulation).

Section 11: Toxicological Information

Acute Toxicity

Component Analysis – LD50/LC50: Not available

Information on Likely Routes of Exposure

Inhalation:	Overexposure to vapors during application and curing may mildly irritate respiratory tract and result in coughing and sneezing.
Ingestion:	If product swallowed, mild irritation to mouth, throat, and other tissues of gastro-intestinal system may result and may cause nausea, vomiting, and diarrhea.
Skin Contact:	Contact may result in mild skin irritation. Prolonged or repeated skin contact may result in dermatitis (red, dry skin).
Eye Contact:	Eye contact may result in tearing, redness & pain.
Injection:	Accidental injection of product (puncture with contaminated object) may result in redness, burning & swelling.
Immediate and Delayed Effects:	Prolonged or repeated skin contact may result in dermatitis (red, dry skin). Direct contact with eyes may cause temporary irritation. Exposed individuals may experience 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 may mildly irritate respiratory tract and result in coughing and sneezing.
Medical Conditions Aggravated by Exposure:	May aggravate pre-existing skin disorders.
Irritation/Corrosivity Data:	May mildly irritate contaminated tissue, especially when prolonged. Eye irritation may be more pronounced.
Respiratory Sensitization:	Not known to be human skin or respiratory sensitizers.
Dermal Sensitization:	Not known to be human skin or respiratory sensitizers.
Germ Cell Mutagenicity:	Not available.
Carcinogenicity:	Trace residual Formaldehyde present in base emulsion viewed as possible cancer hazard.

Component Carcinogenicity

CAS	Component	Result
Mixture	Crystalline Silica	ACGIH: Present in Calcium Carbonate, suspected as human carcinogen.
		IARC: Group 1 (Carcinogenic to humans)

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		NTP: Known to be Human Carcinogen
1333-86-4	Carbon Black	ACGIH: Confirmed animal carcinogen with unknown relevance to humans.
		IARC: Group 2B (possibly carcinogenic to humans)
		NIOSH: Potential occupational carcinogen with no further categorization.
13463-67-7	Titanium Dioxide	ACGIH: Not classifiable as a human carcinogen.
		IARC: Group 2B (possibly carcinogenic to humans)
		NIOSH: Potential occupational carcinogen with no further categorization.
<p>Reproductive Toxicity: Not available.</p> <p>Specific Target Organ Toxicity – Single Exposure: Eyes and Skin</p> <p>Specific Target Organ Toxicity – Repeated Exposure: Skin.</p> <p>Aspiration Hazard: Not available.</p>		

Section 12: Ecological Information

Ecotoxicity

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

Component Analysis – Aquatic Toxicity: Not available.

Persistence and Degradability: Not tested for persistence & biodegradability.

Bioaccumulative Potential: Not tested for bio-accumulation potential.

Mobility in Soil: Not tested for mobility in soil.

Biodegradation: No information available for the product.

Section 13: Disposal Considerations

Disposal Methods: 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 and execution.

Disposal of Contaminated Packaging: Dispose of unused product properly. Empty containers should be taken

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to an approved waste handling site for recycling or disposal.

Component Waste Numbers:

The U.S. EPA has not published waste numbers for this product's components.

Section 14: Transport Information

International Regulation

IATA: Not regulated as a dangerous good.

IMO: Not regulated as a dangerous good.

Transport Canada: Not regulated as a dangerous good.

Domestic Regulation

DOT: Not regulated as a dangerous good.

Section 15: Regulatory Information

US Federal Regulations

SARA 302 Extremely Hazardous

Substances: None contained in product.

SARA 304: Not applicable.

SARA 311/312: **Acute Health: Yes Chronic Health: No Fire: No Pressure: No Reactive: No**

SARA 313: None contained in product.

TSCA: All components of this product are listed on TSCA Inventory.

CERCLA Reportable Quantity: Not Applicable.

US State Regulations

Massachusetts Right-to-Know - Substance List: Crystalline silica (Mixture)
Carbon black (1333-86-4)
Ammonium Hydroxide (7664-41-7)

New Jersey Worker and Community Right-to-Know Act: Crystalline silica (Mixture)
Carbon black (1333-86-4)
Titanium oxide (13463-67-7)
Petroleum distillates (64742-48-9)
Ammonium Hydroxide (7664-41-7)

Pennsylvania Worker and Community Right-to-Know Law: Crystalline silica (Mixture)
Carbon black (1333-86-4)
Titanium oxide (13463-67-7)
Petroleum distillates (64742-48-9)
Ammonium Hydroxide (7664-41-7)

Rhode Island Right-to-Know: Not regulated

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California Proposition 65: **WARNING!** This product contains a chemical known to the state of California to cause cancer, birth defects or other reproductive harm.
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, and Titanium Dioxide highly unlikely).

Component Analysis – International Inventories

Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
Titanium dioxide	13463-67-7	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes
Carbon black	1333-86-4	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes
Petroleum distillates	64742-48-9	Yes	DSL	EINECS	Yes	Yes	Yes	Yes	Yes	Yes
Ammonium Hydroxide	7664-41-7	Yes	DSL	EINECS	Yes	Yes	Yes	Yes	Yes	Yes

Section 16: Other Information

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NFPA Ratings:

Health: 1

Fire: 1

Reactivity: 0



Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

HMIS III:

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = Not Significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

Key/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 without permanent injury

Disclaimer:

The information contained herein is based on data considered accurate which has been obtained from other companies and organizations.

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