

SAFETY DATA SHEET

Section 1: Identification


- **Product Name:** BioCoat SUP 250 (PART A)
- **Chemical Name/Synonyms:** None

Company

BioBond Adhesives

6025 W. 300 South, West Point, Indiana,
Emergency Phone Number: 765-201-0810

Section 2: Hazard(s) Identification

- **Classification of the substance or mixture**
 - Sensitization – Skin: Category 1
- **Pictograms:** 
- **Signal word:** Danger
- **Hazard Statements**
 - May cause an allergic skin reaction
- **Precautionary Statements**
 - **Prevention**
Avoid breathing mist, vapors, or spray.
Wear protective gloves.
Contaminated work clothing must not be allowed out of the workplace.
 - **Response**
If on skin: Wash with plenty of water.
If skin irritation or rash occurs: Get medical attention.
Take off contaminated clothing and wash it before reuse.
 - **Disposal**
Dispose of contents and container in accordance with local, regional, and national regulations.
 - **Other Hazards**
○ Harmful to aquatic life with long lasting effects.

Section 3: Composition/ Information on Ingredients

CAS No.	Hazardous Component	Concentration
716336-43-5	Hexanedioic acid, polymer with 2-oxiranylmethyl neodecanoate	0.1 – 1.5%
Proprietary	Silane	0.1-0.9%
Proprietary	Benzotriazole Polymer Mixture	0.1 – 0.9%
102-71-6	Triethanolamine	0.01-0.5%

Specific chemical identities and concentrations are withheld as trade secrets.

Section 4: First-Aid Measures

Take precautions to ensure your own safety before attempting to help others. Get medical attention if you feel unwell. If seeking medical attention, show this safety data sheet to the doctor in attendance.

- **Description of First Aid Measures:**
 - **Inhalation:** Move person to fresh air. If breathing becomes difficult, seek medical advice.
 - **Skin Contact:** Wash with plenty of water. If skin irritation or rash occurs, get medical attention. Take off contaminated clothing and wash it before reuse.
 - **Eye Contact:** Hold eyelids apart and flush with plenty of water for several minutes.
 - **Ingestion:** Do NOT induce vomiting. Do not give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical advice if symptoms develop.
- **Most Important Symptoms and Effects (Acute and Delayed):** May cause an allergic skin reaction. Symptoms include burns, redness, itchiness, pain, swelling, hives, and flushing of the skin. May cause gastrointestinal irritation if ingested, including burning in the mouth, throat, esophagus and stomach.
- **Note to Physician:** Treat supportively and symptomatically.

Section 5: Fire-Fighting Measures

- **Suitable extinguishing agents:** CO₂, Dry Chemical, Dry Sand, Alcohol Resistant Foams.
- **Unsuitable extinguishing media:** None Known
- **Specific Hazards:** Fire conditions can result in the formation of carbon monoxide, carbon dioxide, and hazardous gases or fumes.
- **Special Protective Equipment and Precautions for Firefighters:** As in any fire, wear full protective gear and a MSHA/NIOSH approved (or equivalent) positive pressure-demand self-contained breathing apparatus.

Section 6: Accidental Release Measures

- **Personal Precautions, Protective Equipment, and Emergency Procedures:** Keep unnecessary personnel away and upwind of spill/leak. Wear protective gloves and protective clothing to avoid contact with skin. Avoid breathing vapors, mist, or spray. Wash hands before eating, drinking, and/or smoking.
- **Environmental Precautions:** Prevent from entering into drains, soil, ditches, groundwater, and surface waters. Avoid release to the environment.
- **Methods and Materials for Containment and Cleaning Up:** For small amounts, absorb with a liquid binding material such as diatomaceous earth and dispose of in accordance with local, state, and federal regulations. For large amounts, take up mechanically and pump up into suitable containers. Clean up with plenty of water. Dispose of cleaning water and containers of collected material in accordance with local, state, and federal regulations.

Section 7: Handling and Storage

- **Precautions for Safe Handling:** Use with adequate ventilation. Wear protective gloves, and protective clothing. Safety glasses with side shields or safety goggles are recommended. Wash hands after handling material and before eating, drinking, and/or smoking.
- **Conditions for Safe Storage:** Keep container tightly closed in a dry, cool and well-ventilated place.

Section 8: Exposure Controls/Personal Protection

- **Occupational Exposure Limits:**

CAS No.	Component	Jurisdiction	Exposure Limit
102-71-6	Triethanolamine	OSHA PEL-TWA	Not Established
		ACGIH TLV-TWA	5 mg/m ³

- **Appropriate Engineering Controls:** Provide adequate ventilation. Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.
- **Environmental Exposure Controls:** Do not allow product to enter drains, ditches, groundwater or surface waters. Individual Protection Measures (Personal Protective Equipment):
- **Respiratory Equipment:** Where risk assessment shows use of a respirator is necessary, use a NIOSH/MHSA approved respirator.
- **Eye Protection:** Safety glasses with side shield or safety goggles are recommended.
- **Protective Gloves:** Any light-tight rubber or vinyl gloves. Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Section 9: Physical and Chemical Properties

- **Physical State:** Liquid
- **Color:** White
- **Odor:** None
- **Freezing Point:** 32°F
- **Boiling Point:** 212°F
- **Flammability:** No data available
- **Lower and Upper Explosion Limit/Flammability Limit :** No data available
- **Auto-Ignition Temperature:** No data available
- **Flash Point:** No data available
- **Decomposition Temperature:** No data available
- **pH:** 4.0 – 5.0
- **Kinematic Viscosity:** No data available
- **Solubility:** Soluble in water
- **Partition Coefficient:** No data available
- **n-Octanol/Water:** Vapor Pressure: 23 hPA
- **Relative Density:** 1.0 g/cm³
- **Particle Characteristics:** No data available

Section 10: Stability and Reactivity

- **Reactivity:** No Data Available
- **Chemical stability:** Stable at room temperature in closed containers under normal storage and handling conditions
- **Conditions to avoid:** Temperatures below 45°F or temperatures above 90°F, moisture, sources of heat.
- **Incompatible materials:** None known
- **Hazardous decomposition products:** If stored and handled properly, none known.

Section 11: Toxicological Information

- **Likely Routes of Exposure:** Inhalation, skin, eye, ingestion
- **Numerical Measures of Toxicity**
- Product: No data available
- Component: Triethanolamine
 - Acute Oral Toxicity: LD50>6,400 mg/kg (Rat)
 - Acute Dermal Toxicity: LD50 >2,000 mg/kg (Rat)
- Component: Hexanedioic acid, polymer with 2-oxiranylmethyl neo decanoate
 - Acute Oral Toxicity: LD50 >2,000 mg/kg (Rat)
 - Acute Dermal Toxicity: LD50 >2,000 mg/kg (Rat)
- **Corrosion/Irritation**
- Product: No data available
- Component: Triethanolamine
 - Skin Corrosion/Irritation: Repeated exposure may cause irritation
 - Eye Damage/Irritation: May cause slight eye irritation
- Component: Hexanedioic acid, polymer with 2-oxiranylmethyl neo decanoate
 - Skin Corrosion/Irritation: Non-irritant (OECD 439)
 - Eye Damage/Irritation: Negative (OECD 492), Negative (OECD 437)
- **Sensitization**
- Product: No data available
- Component: Triethanolamine
 - Skin Sensitization: Skin contact may cause an allergic reaction
- Component: Hexanedioic acid, polymer with 2-oxiranylmethyl neo decanoate
 - Skin Sensitization: Positive (OECD 429)
- **Germ Cell Mutagenicity:** No data available
- **Carcinogenicity:** No component of this product present at levels greater than or equal to 0.1% is identified as:
 - a probable, possible or confirmed human carcinogen by IARC
 - a carcinogen or potential carcinogen by ACGIH
 - a known or anticipated carcinogen by NTP
 - a carcinogen or potential carcinogen by OSHA
- **Reproductive Toxicity:** No data available
- **Specific Target Organ Toxicity:** No data available
- **Aspiration Hazard:** No data available
- **Delayed & Immediate Effects and Chronic Effects (short & long-term exposure):** May cause skin irritation. May cause an allergic skin reaction.
- **Symptoms Related to Toxicological Characteristics:** Hives, rash, itching, swelling, and flushing of the skin.

Section 12: Ecological Information

- **Ecotoxicity:** No Data Available
- **Mobility:** : No Data Available
- **Biodegradation:** : No Data Available
- **Bioaccumulation:** : No Data Available

Section 13: Disposal Considerations

- **Product Disposal:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Waste generators must consult 40 CFR Part 261, state, and local hazardous waste regulations to ensure complete and accurate classification. Hazardous wastes must be stored and disposed of in accordance with federal, state, and local regulations.
- **Container Disposal:** Containers emptied in accordance with federal, state, and local regulations may be recycled.

Section 14: Transport Information

- **Land Transport (U.S. DOT) :** Not regulated for transport
- **Air Transport (ICAO and IATA):** Not regulated for transport

Section 15: Regulatory Information

- **US Federal Regulations**

Substance	Concentration in Material	EPCRA Section 3021	EPCRA Section 304 RQ2	CERCLA RQ3	CAA HAP4
Vinyl acetate CAS No. 108-05-4	<0.01%	Yes; Below 1% de minimis level for mixtures	5,000 lbs	5,000 lbs	Yes
Formaldehyde CAS No. 50-00-0	<0.01%	Yes; Below 0.1% de minimis level for mixtures	100 lbs	100 lbs	Yes
Ethylene oxide CAS No. 75-21-8	<0.01%	Yes; Below 0.1% de minimis level for mixtures	10 lbs	10 lbs	Yes
Methanol CAS No. 67-56-1	<0.01%	Not an EHS	5,000 lbs	5,000 lbs	Yes
Acetaldehyde CAS No. 75-07-0	<0.01%	Not an EHS	1,000 lbs	1,000 lbs	Yes
Methyl isobutyl ketone CAS No. 108-10-1	<0.01%	Not an EHS	5,000 lbs	5,000 lbs	Yes
1,4-Dioxane CAS No. 123-91-1	<0.01%	Not an EHS	100 lbs	100 lbs	Yes
Silver CAS No. 7440-22-4	<1%	Not an EHS	1,000 lbs	1,000 lbs	No
Sodium nitrite CAS No. 7632-00-0	<0.01%	Not an EHS	100 lbs	100 lbs	No
Diethanolamine CAS No. 111-42-2	<0.01%	Not an EHS	100 lbs	100 lbs	Yes
Chloromethane CAS No. 74-87-3	<0.01%	Not an EHS	100 lbs	100 lbs	Yes

1Emergency Planning and Community Right to Know Act Extremely Hazardous Substance
2Emergency Planning and Community Right to Know Act Extremely Hazardous Substance
Reportable Quantity
3 Comprehensive Environmental Response, Compensation, and Liability Act Reportable
Quantity
4Clean Air Act hazardous air pollutant

- EPCRA Section 311/312 Hazard Categories
 - Acute Health Hazard: No
 - Chronic Health Hazard: Yes
 - Fire Hazard: No
 - Sudden Release of Pressure Hazard: No
 - Reactive Hazard: No
- EPCRA Section 313
 - This material does not contain any section 313 chemicals at or above de minimis levels.
- TSCA (Toxic Substances Control Act) Inventory Status
 - All components in this material are active on or exempt from the TSCA Inventory.

Section 16: Other Information

- **SDS date of preparation/update:** 04/03/2025
- **Version:** new product SDS