

SAFETY DATA SHEET

Trade Name	R221 B
SDS #	S-0132 V2
Date of Issue	05/13/2025
Replaces (Date/Revision #)	08/24/2022 – V1
Effective Date	05/13/2025

SECTION 1 – Identification

Product Name: R221 B

Other Means of Identification: N/A

Product Code Number: R221

Recommended Use: Adhesive/Sealant

Recommended Restrictions: Uses other than described as above. Industrial use only.

Suppliers Details

Company:

Forza, Inc.

3211 Nebraska Ave, Suite #300

Council Bluffs, IA 51501, USA

Company Phone Number:

1-402-731-9300 (Available 8:00 am – 4:30 pm CST)

Emergency Phone Number:

Chemtrec 1(800)-424-9300

SECTION 2 – Hazard Identification

Classification:

Skin Irritation – Category 2

Eye Irritation – Category 2A

Skin Sensitization – Category 1

Signal Word: WARNING

Hazard Pictogram:



Hazard Statements:

Causes skin irritation

Causes serious eye irritation

May cause an allergic skin reaction

Precautionary Statements:

Avoid breathing vapors. Use only outdoors or in well-ventilated areas.

Wear protective gloves and eye protection.

IF ON SKIN: Wash with soap and water.

IF INHALED: Remove person to fresh air and keep comfortable.

IF IN EYES: Rinse cautiously with water for several minutes.

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

SECTION 3 – Composition/Information on Ingredients

Chemical Description	CAS Number	% w/w
Bisphenol A Diglycidyl Ether	25068-38-6	20-30%
Organic Tin Catalyst	Proprietary	< 1%
Calcium Carbonate (Ground)	471-34-1	60-70%
Modified Polyalkylene Glycol	Proprietary	< 1%
Water (Deionized)	7732-18-5	5-10%

No additional hazardous ingredients present at $\geq 1\%$ ($\geq 0.1\%$ for carcinogens) per 29 CFR 1910.1200.

SECTION 4 – First-Aid Measures

Inhalation: Remove person to fresh air. Seek medical attention if symptoms persist.

Skin Contact: Wash with plenty of water and soap. Remove contaminated clothing. Seek medical attention for irritation or allergic reaction.

Eye Contact: Flush cautiously with water for at least 15 minutes. Seek medical advice.

Ingestion: Rinse mouth. Do not induce vomiting. Contact a physician.

SECTION 5 – Fire-Fighting Measures

Extinguishing Media: Foam, CO₂, dry chemical, water spray

Special Hazards: Incomplete combustion may release carbon monoxide, carbon dioxide, and other irritating vapors.

Firefighting Instructions: Use self-contained breathing apparatus and protective equipment.

SECTION 6 – Accidental Release Measures

Evacuate area. Wear protective equipment. Ventilate spill area. Absorb with inert material. Avoid runoff to drains. Dispose according to local regulations.

SECTION 7 – Handling and Storage

Avoid contact with skin, eyes, and clothing. Use with adequate ventilation. Keep container tightly closed. Store in a cool, dry, and well-ventilated area. Do not store near oxidizers.

SECTION 8 – Exposure Controls / Personal Protection

Component	OSHA PEL	ACGIH TLV
Calcium Carbonate	15 mg/m ³ (T)	10 mg/m ³ (T)
Bisphenol A Epoxy Resin	N/A	N/A

Engineering Controls: Provide adequate general and/or local exhaust.

Personal Protective Equipment (PPE): Gloves, goggles, protective clothing. Respirator if airborne concentrations exceed limits.

SECTION 9 – Physical and Chemical Properties

Appearance: Off-white paste

Odor: Mild

pH: Not applicable

Flash Point: >100°C (Closed Cup)

Boiling Point: >100°C

VOC Content: <1% w/w

Solubility: Partially miscible with water

SECTION 10 – Stability and Reactivity

Stable under normal conditions. Avoid excessive heat and incompatible materials. May react with amines or oxidizing agents.

SECTION 11 – Toxicological Information

Component	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 (rat)
Bisphenol A Epoxy Resin	>5,000 mg/kg	>20,000 mg/kg	Not available

Likely Routes of Exposure: Skin, eyes, inhalation

Symptoms: Irritation, redness, allergic skin reaction

Sensitization: May cause skin sensitization

Carcinogenicity: Not classified by IARC, NTP, or OSHA

SECTION 12 – Ecological Information

Component	Fish LC50 (96h)	Daphnia EC50 (48h)	Algae EC50 (72h)
Bisphenol A Epoxy Resin	1.3 mg/L	2.1 mg/L	1.8 mg/L

Product is not readily biodegradable. Avoid discharge into the environment.

SECTION 13 – Disposal Considerations

Dispose of contents/container in accordance with federal, state, and local regulations. Do not dispose in drains or the environment.

SECTION 14 – Transport Information

DOT: Not Regulated

IMDG/IATA: Not Regulated

SECTION 15 – Regulatory Information

TSCA Inventory: All ingredients are listed or exempt

CERCLA Reportable Quantities: None

SARA 311/312: Acute health hazard, Sensitization hazard

Right-to-Know (NJ/PA/MA): Not applicable – Calcium Carbonate is encapsulated and not present as respirable particulate under normal use conditions. **California Proposition 65:** Not applicable

SECTION 16 – Other Information

Revision Date: 05.13.2025

Prepared by: Forza, Inc.

GHS Rev. 5 Compliance: This SDS has been prepared in accordance with GHS Revision 5 standards and complies with EPA, OSHA, and DOT regulations. Users should ensure they meet jurisdiction-specific requirements.

Disclaimer: The information provided in this SDS is believed to be accurate as of the revision date but is subject to change based on new regulations or updated research findings. Users are responsible for compliance with all applicable laws and regulations.

