

# SAFETY DATA SHEET

|                            |                 |
|----------------------------|-----------------|
| Trade Name                 | R-A2000         |
| SDS #                      | S-0003 V2       |
| Date of Issue              | 04/28/2025      |
| Replaces (Date/Revision #) | 05/30/2024 – V1 |
| Effective Date             | 04/28/2025      |

## **SECTION 1 – Identification**

**Product Name:** R-A2000-TO

**Other Means of Identification:** N/A

**Product Code Number:** R-A2000-TO

**Recommended Use:** Sealant/Adhesive

**Recommended Restrictions:** Uses other than described 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**

**GHS Classification:**

Not classified as hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200) and GHS Revision 5.

**Label Elements:****Hazard Pictograms:** None required**Signal Word:** None**Hazard Statements:** None**Precautionary Statements:**

Keep container tightly closed.

Prevent contamination of waterways.

**Other Hazards:**

May cause minor eye irritation in sensitive individuals.

**SECTION 3 – Composition/Information on Ingredients**

| Chemical Name   | CAS Number | % w/w  |
|---|------------|--------|
| Polyvinyl Acetate Copolymer   | 24937-78-8 | 40-50% |
| Non-Hazardous Ingredients (includes Plasticizer, Water, Surfactants, Biocide, Defoamer) | Mixture    | 50-60% |

**Note:**

Non-hazardous components are grouped together. Individual identification of non-hazardous materials is not mandatory when present at or below 1% unless they contribute to hazard classification.

**SECTION 4 – First-Aid Measures****Inhalation:** Move person to fresh air. Seek medical attention if symptoms persist.**Skin Contact:** Wash skin with soap and water. Remove contaminated clothing.**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present.**Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical advice.**SECTION 5 – Fire-Fighting Measures****Suitable Extinguishing Media:** Water spray, dry chemical, foam, carbon dioxide.**Specific Hazards:** Material can form combustible mixtures at elevated temperatures.**Protective Equipment for Firefighters:** Wear self-contained breathing apparatus and protective clothing.

## **SECTION 6 – Accidental Release Measures**

**Personal Precautions:** Use personal protective equipment. Ensure adequate ventilation.

**Methods for Containment and Cleanup:** Absorb with inert material (e.g., sand, earth). Dispose in accordance with local regulations.

## **SECTION 7 – Handling and Storage**

**Precautions for Safe Handling:** Avoid breathing mist or vapors. Use with adequate ventilation.

**Conditions for Safe Storage:** Store in tightly closed container in a cool, dry, well-ventilated place.

## **SECTION 8 – Exposure Controls / Personal Protection**

| Component                              | OSHA PEL       | ACGIH TLV      | NIOSH REL      |
|--|----------------|----------------|----------------|
| Vinyl Acetate (trace monomer residual) | 10 ppm TWA     | 10 ppm TWA     | 10 ppm TWA     |
| Non-Hazardous Mixture                  | Not applicable | Not applicable | Not applicable |

**Engineering Controls:** Local exhaust ventilation recommended.

**Personal Protective Equipment:**

Eye/Face Protection: Safety goggles.

Skin Protection: Protective gloves.

Respiratory Protection: If ventilation is inadequate, use NIOSH-approved respirator.

## **SECTION 9 – Physical and Chemical Properties**

| Property                     | Value                          |
|------------------------------|--------------------------------|
| Appearance                   | White milky liquid             |
| Odor                         | Mild                           |
| Odor Threshold               | Not determined                 |
| pH                           | 4.0–5.0                        |
| Melting Point/Freezing Point | 0 °C (water component)         |
| Boiling Point/Range          | 100 °C                         |
| Flash Point                  | Not applicable (aqueous-based) |
| Evaporation Rate             | Slow                           |
| Flammability                 | Not flammable                  |
| Vapor Pressure               | 23 mmHg (water)                |
| Relative Density             | 1.05 g/cm <sup>3</sup>         |



Solubility in Water

Dispersible

VOC Content

<1% by weight (EPA Method 24)

## **SECTION 10 – Stability and Reactivity**

**Reactivity:** No dangerous reactions known under normal conditions.

**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** Avoid freezing and excessive heat.

**Incompatible Materials:** Strong oxidizers.

**Hazardous Decomposition Products:** Carbon dioxide, carbon monoxide.

## **SECTION 11 – Toxicological Information**

| Endpoint                  | Test Species | Value                     |
|---------------------------|--------------|---------------------------|
| Acute Oral Toxicity       | Rat          | LD50 > 5000 mg/kg         |
| Acute Dermal Toxicity     | Rabbit       | LD50 > 2000 mg/kg         |
| Acute Inhalation Toxicity | Rat          | LC50 > 5 mg/L (dust/mist) |
| Skin Irritation           | Rabbit       | Non-irritating            |
| Eye Irritation            | Rabbit       | Mild irritation possible  |

**Carcinogenicity:** Vinyl acetate (residual monomer, trace) classified as possible human carcinogen (IARC 2B). Product itself is not classified as a carcinogen under OSHA.

## **SECTION 12 – Ecological Information**

| Endpoint                                | Test Organism                       | Value                 |
|---|-------------------------------------|-----------------------|
| Acute Toxicity to Fish                  | Oncorhynchus mykiss (rainbow trout) | LC50 > 100 mg/L (96h) |
| Acute Toxicity to Aquatic Invertebrates | Daphnia magna                       | EC50 > 100 mg/L (48h) |
| Acute Toxicity to Algae                 | Pseudokirchneriella subcapitata     | EC50 > 100 mg/L (72h) |

**Persistence and Degradability:** Biodegradable.

**Bioaccumulative Potential:** Low.

## **SECTION 13 – Disposal Considerations**

Dispose in accordance with federal, state, and local environmental control regulations. Do not discharge into drains or waterways.

## **SECTION 14 – Transport Information**

**DOT:** Not regulated as dangerous goods.

**IMDG:** Not regulated.

**IATA:** Not regulated.

## **SECTION 15 – Regulatory Information**

### **US Federal Regulations:**

TSCA Inventory: All ingredients listed or exempt.

SARA Title III: Not applicable.

CERCLA: Not applicable.

## **SECTION 16 – Other Information**

**Implementation Date:** 4.28.2025

**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.