

SAFETY DATA SHEET

Trade Name	T-OA177W
SDS #	S-0010 V2
Date of Issue	04/09/2025
Replaces (Date/Revision #)	05/18/2024 – V1
Effective Date	04/09/2025

SECTION 1 – Identification

Product Name: T-OA177W

Other Means of Identification: N/A

Product Code Number: T-OA177W

Recommended Use: Adhesive/Sealant

Recommended Restrictions: Uses other than described as above

Suppliers Details

Company:

Forza, Inc.

3211 Nebraska Ave, Suite #300

Council Bluffs, IA 51501, USA

Company Phone Number:

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:

Skin Irritation (Category 2)

Eye Irritation (Category 2A)

Specific Target Organ Toxicity - Single Exposure (Category 3)

Aquatic Chronic Toxicity (Category 3)

Label Elements:

Signal Word: WARNING

Hazard Pictograms:



Hazard Statements:

H315: Causes skin irritation

H319: Causes serious eye irritation

H335: May cause respiratory irritation

H412: Harmful to aquatic life with long lasting effects

Precautionary Statements:

P261: Avoid breathing dust/fume/gas/mist/vapors/spray

P264: Wash hands thoroughly after handling

P273: Avoid release to the environment

P280: Wear protective gloves/eye protection/face protection

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

SECTION 3 – Composition/Information on Ingredients

Chemical Name	CAS Number	% w/w	Classification
Organosilane compound	2768-02-7	1-5%	Eye Irrit. 2A, STOT SE 3
Organofunctional silane	2530-83-8	< 1%	Skin Irrit. 2, Eye Irrit. 2A
Benzotriazole UV absorber	25973-55-1	< 1%	Aquatic Chronic 3
Titanium Dioxide	13463-67-7	1-5%	Not classified*
Non-Hazardous Ingredients (fillers, resins, waxes, dispersants, processing aids, light stabilizers)	CAS withheld	95-98%	Not classified

*Note: Titanium Dioxide is considered hazardous in respirable powder form above 1%, not relevant in paste mixture.

SECTION 4 – First-Aid Measures

General Advice:

Seek medical attention if symptoms persist or in case of doubt.

If Inhaled:

Remove person to fresh air. If not breathing, give artificial respiration.

Skin Contact:

Wash with plenty of soap and water. Remove contaminated clothing.

Eye Contact:

Rinse cautiously with water for several minutes. Remove contact lenses. Continue rinsing.

If Swallowed:

Do not induce vomiting. Rinse mouth. Seek medical attention immediately.

SECTION 5 – Fire-Fighting Measures

Suitable Extinguishing Media:

Water spray, alcohol-resistant foam, dry chemical, carbon dioxide.

Unsuitable Extinguishing Media:

High volume water jet.

Specific Hazards:

Combustion may produce carbon monoxide, carbon dioxide, silicon oxides, nitrogen oxides.

Protective Equipment:

Wear self-contained breathing apparatus and full protective gear.

SECTION 6 – Accidental Release Measures

Personal Precautions:

Use protective equipment. Avoid breathing vapors or mist.

Environmental Precautions:

Prevent entry into waterways, drains, or confined areas.

Methods for Cleanup:

Absorb with inert material. Dispose of in accordance with local regulations.

SECTION 7 – Handling and Storage

Handling:

Avoid contact with skin, eyes, and clothing. Use in well-ventilated areas.

Storage:

Keep container tightly closed in a dry, cool, well-ventilated area.

SECTION 8 – Exposure Controls / Personal Protection

Component	CAS	OSHA PEL	ACGIH TLV	Notes
Titanium Dioxide	13463-67-7	15 mg/m ³ (total dust)	10 mg/m ³	Non-respirable form in paste mixture
Trimethoxyvinylsilane	2768-02-7	N/E	10 ppm (inhalable fraction)	Manufacturer limit
3-(Dimethoxymethylsilyl)propylamine	2530-83-8	N/E	N/E	Handle with care due to irritation potential

Engineering Controls:

Use adequate general and local exhaust ventilation.

Personal Protective Equipment (PPE):

Eye/Face: Safety glasses with side shields

Skin: Protective gloves and clothing

Respiratory: Use NIOSH-approved respirator if exposure limits are exceeded

SECTION 9 – Physical and Chemical Properties

Appearance: White to off-white paste mixture

Odor: Mild, characteristic

Odor Threshold: Not determined

pH: Not determined

Melting Point/Freezing Point: Not applicable

Boiling Point/Range: >150°C

Flash Point: >200°C (Closed Cup)
Evaporation Rate: Not determined
Flammability: Not classified as flammable
Vapor Pressure: Not determined

Relative Density: 1.8 g/mL (14.994 lbs/gal)
Solubility: Insoluble in water

Partition Coefficient: Not determined
Auto-ignition Temp: Not determined
Decomposition Temp: Not determined

SECTION 10 – Stability and Reactivity

Reactivity: No hazardous reactivity expected under normal conditions.
Chemical Stability: Stable under recommended storage conditions.
Conditions to Avoid: Extreme temperatures, moisture, ignition sources.
Incompatible Materials: Strong acids, strong oxidizers.
Hazardous Decomposition Products: Carbon oxides, silicon oxides, nitrogen oxides.

SECTION 11 – Toxicological Information

Likely Routes of Exposure: Inhalation, skin contact, eye contact, ingestion
Short-Term (Acute) Effects: May cause skin and eye irritation. Temporary respiratory irritation may occur upon inhalation of vapors or mist.
Long-Term (Chronic) Effects: Prolonged exposure may cause dermatitis or sensitization. Titanium Dioxide may cause lung effects in dust form.
Carcinogenicity:
IARC: Titanium Dioxide – Group 2B (possibly carcinogenic to humans, dust form)
NTP: Not listed
OSHA: Not regulated
ACGIH: A4 – Not classifiable

EPA: Not classified

Toxicity Estimates:

Trimethoxyvinylsilane: Oral LD50 (rat) ~ 7100 mg/kg
3-(Dimethoxymethylsilyl)propylamine: Oral LD50 (rat) > 5000 mg/kg

Benzotriazole UV absorber: Oral LD50 (rat) > 2000 mg/kg

Target Organs: Eyes, skin, respiratory system

Sensitization: Not expected

Mutagenicity/Reproductive Toxicity: Not available

SECTION 12 – Ecological Information

Aquatic Toxicity:

Trimethoxyvinylsilane:

Fish LC50 (96h): >100 mg/L

Daphnia EC50 (48h): >100 mg/L

Algae EC50 (72h): >100 mg/L

3-(Dimethoxymethylsilyl)propylamine:

Fish LC50 (96h): 597 mg/L

Daphnia EC50 (48h): 113 mg/L

Algae EC50 (72h): >100 mg/L

Benzotriazole UV absorber:

Fish LC50 (96h): ~1-10 mg/L

Daphnia EC50 (48h): ~2.5 mg/L

Algae EC50 (72h): ~5 mg/L

Persistence/Degradability: Not readily biodegradable

Bioaccumulative Potential: Low (except moderate for benzotriazole)

Mobility in Soil: Low

Other Effects: May affect aquatic organisms over time

SECTION 13 – Disposal Considerations

Waste Disposal: Do not release into drains/environment. Dispose according to regulations.

Container Disposal: Empty containers may contain residue. Do not reuse.

Precautions: Avoid release, do not incinerate closed containers.

SECTION 14 – Transport Information

SECTION 14: Transport Information

UN Number: Not applicable

Proper Shipping Name: Non-hazardous

Hazard Class: Not regulated

Packing Group: Not applicable

Marine Pollutant: No

Special Precautions: Secure containers during transport

Transport in Bulk: Not applicable

DOT / IMDG / IATA: Not regulated

SECTION 15 – Regulatory Information

TSCA: All ingredients listed or exempt

CERCLA: No reportable quantities

SARA 302/304: Not listed

SARA 311/312: Acute Health Hazard

SARA 313: Not listed

California Prop 65: Titanium Dioxide (respirable)

International:

Canada DSL: All listed

EU REACH: Pre-registered

OSHA Status: Hazardous

GHS Compliance: Rev. 5

SECTION 16 – Other Information

Revision Date: 4.9.2025

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.