

SAFETY DATA SHEET

Trade Name	OS2
SDS #	S-0109 V2
Date of Issue	04/21/2025
Replaces (Date/Revision #)	05/30/2024 – V1
Effective Date	04/21/2025

SECTION 1: Identification

Product Name: OS2

Other Means of Identification: OS2W, OS2GR, OS2BLK

Product Code Number: OS2

Recommended Use: Adhesive blend

Recommended Restrictions: For professional and industrial use only

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

Classification (GHS Rev. 5):

Eye Irritation – Category 2A

Skin Sensitization – Category 1

Reproductive Toxicity – Category 2 (DPHP)

Carcinogenicity – Category 2 (bound Titanium Dioxide and bound Black Colorant)

Aquatic Chronic – Category 3

Signal Word: WARNING

Hazard Statements:

H319: Causes serious eye irritation

H317: May cause an allergic skin reaction

H361: Suspected of damaging fertility or the unborn child (DPHP)

H351: Suspected of causing cancer (inhalation of unbound Titanium Dioxide or Black Colorant; not expected in product's bound form)

H412: Harmful to aquatic life with long lasting effects

Precautionary Statements:

P201: Obtain special instructions before use

P202: Do not handle until all safety precautions have been read and understood

P261: Avoid breathing vapors/spray

P264: Wash hands thoroughly after handling

P273: Avoid release to the environment

P280: Wear protective gloves, protective clothing, and eye protection

P302+P352: IF ON SKIN: Wash with plenty of water

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

P308+P313: IF exposed or concerned: Get medical advice/attention

P333+P313: If skin irritation or rash occurs: Get medical advice/attention

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

P362+P364: Take off contaminated clothing and wash it before reuse

P405: Store locked up

P501: Dispose of contents/container in accordance with local/regional/national/international regulations

Hazard Pictograms:



SECTION 3: Composition/Information On Ingredients

Ingredient Description	CAS Number	% w/w	GHS Classification
Di-(2-propylheptyl) phthalate (DPHP)	Proprietary	15-20%	Repr. 2 (H361)
Vinyltrimethoxysilane (VTMO)	2768-02-7	1-5%	Skin Sens. 1 (H317)
3-(Trimethoxysilyl)propylamine (DAMO-T)	1760-24-3	< 1%	Eye Irrit. 2A (H319)
Titanium Dioxide (bound)	13463-67-7	< 1%	Carc. 2 (H351, bound form not expected to pose risk)
Black Colorant (bound pigment)*	Proprietary	< 0.02%	Carc. 2 (H351, bound form not expected to pose risk)
Non-hazardous components including calcium carbonate, silanes, polymers, UV stabilizers, rheology modifiers	Mixture	80-90%	Not classified

****Applicable to OS2G, OS2W, OS2BLK products only. Amount is below EPA classification for Hazardous Materials (< 1%) and known carcinogens (>= .1%)***

Note: Carcinogenicity of Titanium Dioxide and Black Colorant is based on inhalation of respirable, unbound particulate. These substances are bound in the matrix of the adhesive/sealant and are not expected to pose a respirable hazard under normal conditions of use.

SECTION 4: First-Aid Measures

Inhalation: Remove person to fresh air and keep comfortable for breathing. Seek medical attention if symptoms persist.

Skin Contact: Wash skin thoroughly with soap and water. Remove contaminated clothing.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention.

Ingestion: Rinse mouth. Do not induce vomiting. Seek immediate medical attention.

Symptoms: Eye and skin irritation, allergic skin reactions, dizziness, nausea.

Notes to Physician: Treat symptomatically based on clinical judgment.

SECTION 5: Fire-Fighting Measures

Suitable Extinguishing Media: CO₂, dry chemical, foam.

Unsuitable Media: Water jet.

Hazards from Combustion: Carbon monoxide, carbon dioxide, silicon oxides, aldehydes, nitrogen oxides.

Protective Equipment: Firefighters should wear full protective clothing and self-contained breathing apparatus.

SECTION 6: Accidental Release Measures

Personal Precautions: Eliminate ignition sources. Ensure adequate ventilation. Wear appropriate PPE.

Environmental Precautions: Prevent entry into drains or waterways. Notify authorities if large spills occur.

Methods for Cleanup: Contain and absorb with inert material (e.g., sand). Collect in appropriate containers. Dispose according to local regulations.

SECTION 7: Handling And Storage

Handling: Use only in well-ventilated areas. Avoid breathing vapors. Wear recommended PPE. Wash hands thoroughly after handling.

Storage: Store in a cool, dry, well-ventilated area away from incompatible materials. Keep containers tightly closed.

Incompatibilities: Strong oxidizing agents.

SECTION 8: Exposure Controls/Personal Protection

Substance	OSHA PEL	ACGIH TLV	NIOSH IDLH
Titanium Dioxide	15 mg/m ³ (total dust)	10 mg/m ³	Not established
DPHP	Not established	Not established	Not established
VTMO	Not established	Not established	Not established
DAMO-T	Not established	Not established	Not established

Engineering Controls: Local exhaust ventilation recommended to maintain airborne concentrations below exposure limits.

Personal Protective Equipment:

Eye/Face Protection: Chemical splash goggles.

Skin Protection: Chemical-resistant gloves and protective clothing.

Respiratory Protection: Use a NIOSH-approved respirator if ventilation is inadequate.

SECTION 9: Physical And Chemical Properties

Appearance: Paste
Color: White, Gray, or Black
Odor: Mild characteristic odor
Odor Threshold: Not available
pH: Not applicable
Melting Point/Freezing Point: Not available
Flash Point: >200°C
Evaporation Rate: Not available
Vapor Pressure: Not available
Vapor Density: Not available
Relative Density: 1.63 g/mL
Solubility in Water: Insoluble
Partition Coefficient (n-octanol/water): Not available
Auto-ignition Temperature: Not available
Decomposition Temperature: Not available
Viscosity: 533,000 CPS

SECTION 10: Stability And Reactivity

Stability: Stable under normal conditions.
Conditions to Avoid: High temperatures, open flames.
Incompatible Materials: Strong oxidizers.
Hazardous Decomposition Products: CO, CO₂, nitrogen oxides, silicon oxides, aldehydes.
Polymerization: Will not occur.

SECTION 11: Toxicological Information

Routes of Exposure: Inhalation, skin contact, eye contact, ingestion.

Short-term Exposure: May cause drowsiness, dizziness, respiratory irritation, and eye irritation. Inhalation of high concentrations can result in headaches, nausea, and central nervous system depression.

Chronic Effects: Prolonged exposure may cause organ damage, reproductive harm, sensitization, or carcinogenic effects (for respirable dust). Not expected under normal use.

Substance	Test	Species	Result
DPHP	LD50 Oral	Rat	>3000 mg/kg
VTMO	LD50 Oral	Rat	7120 mg/kg
DAMO-T	LD50 Oral	Rat	2295 mg/kg
Titanium Dioxide	Inhalation (dust)	Rat	10.4 mg/m ³ (6h/day, 2 yrs) – Lung tumors
Black Colorant	Comparable to TiO ₂	-	Classified as Carc. 2 (inhalable dust)

Carcinogenicity Classification:

Agency	Classification
IARC	Group 2B (Titanium Dioxide in respirable form)
NTP	Not listed
ACGIH	Not classified
OSHA	Not listed

SECTION 12: Ecological Information

Substance	Species	Endpoint	Result
DPHP	Daphnia magna	EC50	74 mg/L (48h)
VTMO	Algae	EC50	>100 mg/L
Titanium Dioxide	Aquatic Invertebrates	LC50	>1000 mg/L

Persistence: Some ingredients are biodegradable; others are persistent.

Bioaccumulation: Not expected for majority of components.

Mobility: Low due to product viscosity.

SECTION 13: Disposal Considerations:

Dispose of waste in accordance with local, state, and federal regulations. Do not dispose in sewer systems. Do not incinerate container.

SECTION 14: Transport Information

DOT: Not regulated under normal conditions

IATA/IMDG: Not regulated

UN Number: Not applicable

Marine Pollutant: No

Special Precautions: Avoid extreme temperatures and direct sunlight.

SECTION 15: Regulatory Information

Standards Compliance:

This SDS has been prepared in accordance with:

OSHA Hazard Communication Standard (29 CFR 1910.1200)

GHS Revision 5 Classification and Labeling

EPA (Environmental Protection Agency) Regulatory Compliance

TSCA (Toxic Substances Control Act)

SARA Title III (Superfund Amendments and Reauthorization Act)

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)

California Proposition 65

Canadian WHMIS Classification

EU REACH Compliance

California Proposition 65: Contains titanium dioxide and black colorant (bound, not expected to pose inhalation risk)

Right to Know States:

California (CA): Di(2propylheptyl) phthalate (Reproductive toxicity)

New Jersey (NJ): Titanium Dioxide (bound, not expected to pose inhalation risk),

Di(2propylheptyl) phthalate

Pennsylvania (PA): Titanium Dioxide (bound, not expected to pose inhalation risk),

Di(2propylheptyl) phthalate

Massachusetts (MA): Titanium Dioxide (bound, not expected to pose inhalation risk),

Di(2propylheptyl) phthalate

Rhode Island (RI): Titanium Dioxide (bound, not expected to pose inhalation risk),

Di(2propylheptyl) phthalate

TSCA (Toxic Substances Control Act): All components of this product are listed or exempt from TSCA inventory requirements.

SARA Title III (Superfund Amendments and Reauthorization Act):

Section 311/312 Hazard Categories: Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard

Section 313: This product does not contain any substances at levels that require reporting under SARA Section 313.

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act): No components are subject to CERCLA reporting.

Canadian WHMIS Classification: D2A - Very Toxic Material (Carcinogenicity), D2B - Toxic Material (Skin/Eye Irritation)

EU REACH Compliance: This product meets REACH requirements for regulatory compliance in the European Union.

SECTION 16: Other Information

Revision Date: 4.21.2025

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.

