**Safety Data Sheet**
**OSHA Hazard Communication Standard**
**29 CFR 1910.1200. Prepared to GHS Rev 3.**

# Trade name: OA23

## SECTION 1: Identification

**Product identifier used on the label:**
**Product Name:** **OA23**

**Other means of identification:**
**CAS Number:** Mixture.

**Recommended use of the chemical and restrictions on use:**
**Recommended use:** Adhesive blend.
**Recommended restrictions:** Uses other than those described above.

**Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:**

**Company Name:** Forza, Inc.
**Company Address:** 3211 Nebraska Ave,
Council Bluffs, IA 51503, USA
**Company Telephone:** 402.731.9300 (8:00 - 4:30)

**Emergency phone number:** Chemtrec 1 (800)-424-9300

## SECTION 2: Hazard(s) identification

**Classification of the chemical in accordance with paragraph (d) of §1910.1200:**

***Physical hazards***
None expected

***Health hazards***
Skin sensitization, category 1
Carcinogenicity, category 2
Reproductive toxicity, category 1B

***Environmental hazards***
Not adopted under OSHA paragraph (d) of §1910.1200

**GHS Signal word:** DANGER

**GHS Hazard statement(s):** May cause an allergic skin reaction
Suspected of causing cancer
May damage fertility or the unborn child

**GHS Hazard symbol(s):**

**GHS Precautionary statement(s):**

**Prevention:**

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Avoid breathing dust/fume/gas/mist/ vapors/spray.
- Contaminated work clothing must not be allowed out of the workplace.
- Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

- If on skin: Wash with plenty of water.
- If exposed or concerned: Get medical advice/attention.
- Specific treatment (see section 4 to 8 on the SDS and any additional information on this label)
- If skin irritation or rash occurs: Get medical advice/attention.
- Wash contaminated clothing before reuse.

**Storage:**

- Store locked up.

**Disposal:**

- Dispose of contents/containers to an approved disposal site in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise Classified (HNOC):** None known.

**Percentage of ingredient(s) of unknown acute toxicity:**
Not applicable

## SECTION 3: Composition/information on ingredients

| Chemical name | CAS# | Concentration (weight %) |
|---|---|---|
| Pigment | proprietary | 5 – 10% |
| Bisamide Mixture | proprietary | 1 – 5% |
| Organosilane 1 | proprietary | 1 – 5% |
| Organosilane 2 | proprietary | 0 – 1% |
| Catalyst | proprietary | 0 – 1% |
| Stabilizer | proprietary | 0 – 1% |

*Note: The component name, CAS number and exact concentration have been withheld as a trade secret.

The balance of the ingredients is not classified as hazardous or are below the concentration limit to be classified as hazardous, under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

## SECTION 4: First-aid measures

**Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:**

**Inhalation:** Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Oxygen should only be administered by qualified personnel. Seek medical advice.

**Skin contact:** Wash with water and soap and rinse thoroughly. Seek medical advice if irritation or pain develops.

**Eye contact:** In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. If irritation occurs, call a physician.

**Ingestion:** Do NOT induce vomiting. If swallowed, wash mouth out with water provided the person is conscious. Follow with plenty of water. NEVER GIVE LIQUIDS TO AN UNCONCIOUS PERSON. Call a physician.

**Most important symptoms/effects, acute and delayed:**
May cause an allergic skin reaction. Suspected of causing cancer. May damage fertility or the unborn child.

**Indication of immediate medical attention and special treatment needed:**

If any symptoms are observed, contact a physician, and give them this SDS sheet. Treat symptomatically.

## SECTION 5: Fire-fighting measures

**Suitable (and unsuitable) extinguishing media:**
**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
**Unsuitable extinguishing media:** None known

**Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products):**
Not expected to be flammable. In the case of a fire, consider the surrounding area.
Hazardous combustion products may include the following substances: Carbon dioxide, carbon monoxide, silica compounds, metal oxides.

**Special protective equipment and precautions for fire-fighters:**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate all non-emergency personnel from area. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8).

## SECTION 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures:**
No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Avoid breathing mists, dusts, and vapors. Keep people away from, and upwind of spill/leak. Only qualified personnel equipped with suitable protective equipment may intervene. Never return spills in original containers for re-use. For disposal considerations see section 13.
If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable protective equipment.

**Environmental Precautions:**
Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air). Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Methods and material for containment and cleaning up:**
Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Absorb with earth, sand or other non-combustible material and transfer to closed metal containers for later disposal. Wash surface with soap and water to thoroughly remove residual contamination.

See Section 1 for emergency contact information and Section 13 for waste disposal.

## SECTION 7: Handling and storage

**Precautions for safe handling:**

Always use proper personal protective equipment as described in section 8. Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Remove contaminated clothing and wash before reuse. Empty containers contain product residue and can be dangerous. Keep container tightly closed and away from heat, spark, and flame. Use with adequate ventilation. Avoid breathing vapor or mist.

**Conditions for safe storage, including any incompatibles:**
Store in accordance with local, regional, national, or international regulation. Store in a dry, well-ventilated place away from sources of heat, ignition, and direct sunlight. Store in original container. When not in use, keep containers tightly closed. Do not store in unlabeled containers.
Incompatible materials: Oxidizing agents.

## SECTION 8: Exposure controls/personal protection

**OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available.**

| Substance | OSHA PEL | ACGIH TLV | NIOSH IDLH |
|---|---|---|---|
| Pigment | TWA: 15 mg/m3 total dust | TWA: 0.2 mg/m3 (nanoscale particles)<br>2.5 mg/m3 (finescale particles) | IDLH: 5000 mg/m3 |
| Bisamide mixture | TWA: 5 mg/m3 Respirable<br>15 mg/m3 Total dust | TWA: 10 mg/m3 Inhalable particles | None known |
| Organosilane 1 | None known | None known | None known |
| Organosilane 2 | None known | None known | None known |
| Catalyst | None known | None known | None known |
| Stabilizer | TWA: 5 mg/m3 Respirable<br>15 mg/m3 Total dust | TWA: 10 mg/m3 Inhalable particles | None known |

**Appropriate engineering controls:**
Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.
Provide eyewash station. Eye wash fountain and emergency showers are recommended.
Concentrations should be monitored hazardous substances in the workplace in accordance with recognized test methods. Mode, method, type and frequency of testing and measurement of

harmful factors in the working environment should meet the requirements of local/regional/national laws.

**Individual protection measures, such as personal protective equipment:**

**Eye/face protection:** Wear safety glasses, safety glasses with side shields or safety goggles. Use equipment for eye protection tested and approved under NIOSH standards.

**Skin and hand protection:** Wear protective gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.
Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a suitable respirator. If the respirator is the sole means of protection, use a full-face supplied air respirator tested and approved under appropriate government standards such as NIOSH or MSHA-approved respiratory protection.

**General hygiene considerations:** Emergency equipment should be immediately accessible, with instructions for use. Ensure that eyewash stations and safety showers are close to the workstation location. Use clean, well-maintained personal protection equipment. Store personal protection equipment in a clean location away from the work area. When using do not eat, drink, or smoke. Wash hands before breaks, immediately after handling the product and at the end of workday.

## SECTION 9: Physical and chemical properties

| | |
|---|---|
| **Appearance (physical state, color, etc.):** | |
| **Physical state:** | Paste. |
| **Color:** | Not determined |
| **Odor:** | Mild |
| **Odor threshold:** | Not determined. |
| **pH:** | Not determined |
| **Melting point/freezing point:** | Not determined |
| **Initial boiling point and boiling range:** | Not determined |
| **Flash point:** | > 200 °C |
| **Evaporation rate:** | Not determined |
| **Flammability (solid, gas):** | Not expected to be flammable |
| **Upper/lower flammability or explosive limits** | |
| **Flammability limit – lower %):** | Not determined |
| **Flammability limit – upper (%):** | Not determined |
| **Vapor pressure:** | Not determined |
| **Vapor density:** | Not determined |

| | |
|---|---|
| **Relative density:** | 1.5 g/ml |
| **Solubility (ies):** | Insoluble in water. Slightly soluble in ethanol |
| **Partition coefficient (n-octanol/water):** | Not determined |
| **Auto-ignition temperature:** | Not determined |
| **Decomposition temperature:** | Not determined |
| **Viscosity:** | Not determined |

## SECTION 10: Stability and reactivity

| | |
|---|---|
| **Reactivity:** | Not reactive under recommended storage and handling conditions. |
| **Chemical stability:** | Stable under recommended storage and handling conditions. |
| **Possibility of hazardous reactions:** | Hazardous reactions not anticipated under recommended storage and handling conditions. |
| **Conditions to avoid:** | None known. |
| **Incompatible materials:** | Strong oxidizing agents |
| **Hazardous decomposition products:** | Carbon monoxide, carbon dioxide, metal oxides, silicon compounds. |

## SECTION 11: Toxicological information

**Information on likely routes of exposure:**

| | |
|---|---|
| **Inhalation:** | Expected to be a route of exposure. |
| **Ingestion:** | Expected to be a route of exposure. |
| **Skin:** | Expected to be a route of exposure. |
| **Eyes:** | Expected to be a route of exposure. |

**Target Organs:** Eyes, Skin, Digestive system, Respiratory system

**Symptoms related to the physical, chemical, and toxicological characteristics:**
May cause an allergic skin reaction. Suspected of causing cancer. May damage fertility or the unborn child.

**Delayed and immediate effects and chronic effects from short or long-term exposure:**
No additional information available

**Numerical measures of toxicity (such as acute toxicity estimates):**

**Acute toxicity:** Does not meet the criteria for classification.

| Substance | Test Type (species) | Value |
|---|---|---|
| Pigment | $LD_{50}$ Oral (Rat) | > 5000 mg/kg |
| | $LD_{50}$ Dermal (Rabbit) | None known |
| | $LC_{50}$ Inhalation (Rat) | > 6.82 mg/L 4 h |

| | | |
|---|---|---|
| Bisamide mixture | $LD_{50}$ Oral (Rat) | > 2000 mg/kg |
| | $LD_{50}$ Dermal (Rat) | > 2000 mg/kg |
| | $LC_{50}$ Inhalation (Rat) | None known |
| Organosilane 1 | $LD_{50}$ Oral (Rat) | 6899 mg/kg |
| | $LD_{50}$ Dermal (Rabbit) | 3158 mg/kg |
| | $LC_{50}$ Inhalation (Rat) | 16.8 mg/L mg/m³ air 4h |
| Organosilane 2 | $LD_{50}$ Oral (Rat) | None known |
| | $LD_{50}$ Dermal (Rabbit) | None known |
| | $LC_{50}$ Inhalation (Rat) | None known |
| Catalyst | $LD_{50}$ Oral (Rat) | > 2000 mg/kg |
| | $LD_{50}$ Dermal (Rabbit) | > 2000 mg/kg |
| | $LC_{50}$ Inhalation (Rat) | None known |
| Stabilizer | $LD_{50}$ Oral (Rat) | 3700 mg/kg |
| | $LD_{50}$ Dermal (Rabbit) | > 3100 mg/kg |
| | $LC_{50}$ Inhalation (Rat) | 7.7 mg/L 4h |

**Skin corrosion/irritation:** Does not meet the criteria for classification.
**Serious eye damage/eye irritation:** Does not meet the criteria for classification.
**Respiratory sensitization:** Does not meet the criteria for classification.
**Skin sensitization:** May cause an allergic skin reaction.
**Germ cell mutagenicity:** Does not meet the criteria for classification.
**Carcinogenicity:** Suspected of causing cancer.
**Reproductive toxicity:** May damage fertility or the unborn child
**Specific target organ toxicity-Single exposure:** Does not meet the criteria for classification.
**Specific target organ toxicity-Repeat exposure:** Does not meet the criteria for classification.
**Aspiration hazard:** Does not meet the criteria for classification.

**Whether the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA:**

| **Component** | **IARC** | **NTP** | **ACGIH** | **OSHA** |
|---|---|---|---|---|
| Pigment | Group 2B | Not Listed | Not listed | Not listed |
| Bisamide mixture | Not Listed | Not Listed | Not Listed | Not Listed |

| | | | | |
|---|---|---|---|---|
| Organosilane 1 | Not Listed | Not Listed | Not Listed | Not Listed |
| Organosilane 2 | Not Listed | Not Listed | Not Listed | Not Listed |
| Catalyst | Not Listed | Not Listed | Not Listed | Not Listed |
| Stabilizer | Not Listed | Not Listed | Not Listed | Not Listed |

## SECTION 12: Ecological information

**Ecotoxicity (aquatic and terrestrial, where available):**
Harmful to aquatic life with long lasting effects.

| **Substance** | **Test Type** | **Species** | **Value** |
|---|---|---|---|
| Pigment | $LC_{50}$ | Fish Pimephales promelas | > 1000 mg/L 96h |
| | $EC_{50}$ | Aquatic Invertebrates | None known |
| | $EC_{50}$ | Algae Pseudokirchnerella subcapitata | > 100 mg/L 72h |
| Bisamide mixture | $LL_{50}$ | Fish Oncorhynchus mykiss | >100 mg/L 96h |
| | $EL_{50}$ | Aquatic Invertebrates Daphnia magna | >100 mg/L 4hr |
| | $EC_{50}$ | Algae Activated sewage sludge micro-organisms | > 1000 mg/L 3h |
| Organosilane 1 | $LC_{50}$ | Fish Oncorhynchus mykiss | 191 mg/L 96h |
| | $EC_{50}$ | Aquatic Invertebrates Daphnia magna | 168.7 mg/L 4hr |
| | $ErC_{50}$ | Algae Desmodesmus subspicatus | > 957 mg/L 72h |
| Organosilane 2 | $LC_{50}$ | Fish Danio rerio | 597 mg/L 96h |
| | $EC_{50}$ | Aquatic Invertebrates Daphnia magna | 81 mg/L 48h |
| | $EC_{50}$ | Algae | 8.8 mg/L 72h |
| Catalyst | $LC_{50}$ | Fish Oryzias latipes | > 2 mg/L 96h |
| | $EC_{50}$ | Aquatic Invertebrates Daphnia magna | > 2 mg/L 72h |
| | $EC_{50}$ | Algae | > 2 mg/L 48h |
| Stabilizer | $LC_{50}$ | Fish Oncorhynchus mykiss | 191 mg/L 96h |
| | $EC_{50}$ | Aquatic Invertebrates | None known |
| | $EC_{50}$ | Algae | None known |

**Persistence and Degradability:**
No data available

**Bioaccumulative Potential:**
No data available

**Mobility in Soil:**
No data available

**Other adverse effects (such as hazardous to the ozone layer):**
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## SECTION 13: Disposal considerations

**Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging.**
Dispose of waste materials in accordance with applicable local and national laws and regulations. Where possible, recycling is preferred to disposal or incineration. Contact the proper local authorities.

**Contaminated packaging**
Since emptied containers retain product residue, follow label warnings even after container is emptied. Dispose of as unused product.

## SECTION 14: Transport Information

**US Department of Transportation Classification (49CFR)**
Not regulated for transport

**IMDG (Transport by sea)**
Not regulated for transport

**IATA (Country variations may apply)**
Not regulated for transport

**Environmental hazards**
Marine pollutant: No

**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)**
No further relevant information available.

**Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises.**
Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## SECTION 15: Regulatory Information

**USA:**

**United States Federal Regulations:** This SDS complies with the OSHA, 29 CFR 1910.1200. The product is classified as hazardous under OSHA.

**Toxic Substances Control Act (TSCA)** – All components in this product are in compliance with TSCA Inventory requirements or exempt from reporting.

**CERCLA RQ (lbs) Ingredients (> 0.1%):**
None of the components are listed.

**SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311, 312 and 313:**
**Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A) (> 0.1%):**
None of the components are listed.

**Section 311/312 (40 CFR 370) (> 0.1%):**
Carcinogenicity
Reproductive toxicity
Respiratory or skin sensitization

**Section 313 Toxic Release Inventory (40 CFR 372) (> 0.1%):**
None of the components are listed.

**STATE REGULATIONS:**

This SDS contains specific health and safety data that is applicable for state requirements. For details on your regulatory requirements, you should contact the appropriate agency in your state.

**California Proposition 65 (California Safe Drinking Water and Toxic Enforcement Act of 1986:**

WARNING: This product can expose you to chemicals including Titanium dioxide (airborne, unbound particles of respirable size), which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

**Massachusetts Right to Know:**
Titanium dioxide is listed on the Massachusetts Right to Know list.

**New Jersey Right to Know:**
Titanium dioxide is listed on the New Jersey Right to Know list.

**Pennsylvania Right to Know:**
Titanium dioxide is listed on the Massachusetts Right to Know list.

## SECTION 16: Other Information

**Revision Date**: May 31, 2024

DISCLAIMER: The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. The manufacturer MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. Given the variety of factors that can affect the use and application of this product, many of which are solely within the user's knowledge and

control, the user is responsible for determining whether the usage of this product is fit for a particular purpose and suitable for the user's method of use or application. It is essential that the user, not the manufacturer, evaluates this product to determine whether it is fit for a particular purpose and suitable for the user's method of use or application.