

## Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 08.07.2025

Page 1 of 12

### Tough 2000 Resin V2

#### SECTION 1: Identification

##### Product Identifier

**Product Name:** Tough 2000 Resin V2

**Product code:** FLTO2002

##### Recommended Use of the Product and Restriction on Use

**Relevant Identified Uses:** For use in Formlabs SLA Printers.

**Uses Advised Against:** Not determined or not applicable.

**Reasons Why Uses Advised Against:** Not determined or not applicable.

##### Manufacturer or Supplier Details

###### Manufacturer:

###### United States

Formlabs, Inc

35 Medford St

Suite 201 Somerville, MA 02143

+1 617 855 0762

sds@formlabs.com

##### Emergency Telephone Number:

###### United States

CHEMTREC

1-800-424-9300 (24/7)

#### SECTION 2: Hazard(s) Identification

##### GHS Classification:

Skin irritation, category 2

Eye irritation, category 2A

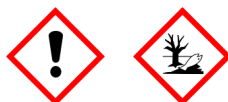
Skin sensitization, category 1

Specific target organ toxicity - single exposure, category 3, respiratory tract irritation

Chronic aquatic hazard, category 2

##### Label elements

###### Hazard Pictograms:



###### Signal Word: Warning

##### Hazard statements:

H315 Causes skin irritation

H319 Causes serious eye irritation

H317 May cause an allergic skin reaction

H335 May cause respiratory irritation

H411 Toxic to aquatic life with long lasting effects

## Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 08.07.2025

Page 2 of 12

### Tough 2000 Resin V2

#### Precautionary Statements:

P264 Wash skin thoroughly after handling  
P280 Wear protective gloves, protective clothing and eye protection.  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray  
P272 Contaminated work clothing must not be allowed out of the workplace  
P271 Use only outdoors or in a well-ventilated area  
P273 Avoid release to the environment  
P302+P352 IF ON SKIN: Wash with plenty of soap and water  
P332+P313 If skin irritation occurs: Get medical advice/attention  
P362 Take off contaminated clothing and wash it before reuse  
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.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention  
P363 Wash contaminated clothing before reuse  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P312 Call a POISON CENTER/doctor if you feel unwell  
P391 Collect spillage  
P403+P233 Store in a well-ventilated place. Keep container tightly closed  
P405 Store locked up  
P501 Dispose of contents/container in accordance with local/regional/national regulations

**Hazards Not Otherwise Classified:** None

### SECTION 3: Composition/Information on Ingredients

| Identification              | Name                    | Weight % |
|-----------------------------|-------------------------|----------|
| CAS Number:<br>Trade Secret | Methacrylate monomer(s) | 40-60    |
| CAS Number:<br>Trade Secret | Urethane dimethacrylate | 15-25    |
| CAS Number:<br>Trade Secret | Photoinitiator(s)       | <5       |
| CAS Number:<br>Trade Secret | Colorant                | <1       |

**Additional Information:** None

### SECTION 4: First Aid Measures

#### Description of First Aid Measures

##### General Notes:

Show this Safety Data Sheet to the doctor in attendance.

##### After Inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. If respiratory symptoms develop or persist, seek medical advice/attention.

##### After Skin Contact:

Wash affected area with plenty of soap and water. Remove contaminated clothing and launder before reuse. If skin irritation develops or persists, seek medical advice/attention.

##### After Eye Contact:

## Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 08.07.2025

Page 3 of 12

### Tough 2000 Resin V2

Rinse eyes with plenty of water for several minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention.

#### After Swallowing:

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention.

#### Most Important Symptoms and Effects, Both Acute and Delayed

##### Acute Symptoms and Effects:

Skin contact may result in redness, pain, burning and inflammation.

Eye contact may result in irritation, redness, pain, inflammation, itching, burning and tearing.

Dermal exposure may cause an allergic skin reaction. Symptoms may include irritation, redness, pain, rash, inflammation, itching, burning and dermatitis.

Inhalation may have adverse effects on the respiratory tract. Symptoms may include cough, breathing difficulties, sore throat and inflammation of the mucous membrane lining the respiratory tract.

##### Delayed Symptoms and Effects:

Effects are dependent on exposure (dose, concentration, contact time).

#### Immediate Medical Attention and Special Treatment

##### Specific Treatment:

If respiratory symptoms persist, seek medical attention.

##### Notes for the Doctor:

Treat symptomatically.

### SECTION 5: Firefighting Measures

#### Extinguishing Media

##### Suitable Extinguishing Media:

Water mist/fog, carbon dioxide, dry chemical or alcohol resistant foam.

##### Unsuitable Extinguishing Media:

Do not use water jet.

#### Specific Hazards During Fire-Fighting:

Thermal decomposition may produce irritating/toxic fumes/gases.

#### Special Protective Equipment for Firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA).

#### Special precautions:

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts.

Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers.

Avoid unnecessary run-off of extinguishing media which may cause pollution.

### SECTION 6: Accidental Release Measures

#### Personal Precautions, Protective Equipment, and Emergency Procedures:

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Avoid contact with skin, eyes and clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling.

#### Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways. Discharge into the environment must be avoided.

## Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 08.07.2025

Page 4 of 12

### Tough 2000 Resin V2

#### Methods and Material for Containment and Cleaning Up:

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

#### Reference to Other Sections:

For personal protective equipment see Section 8. For disposal see Section 13.

### SECTION 7: Handling and Storage

#### Precautions for Safe Handling:

Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Avoid contact with skin, eyes and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

#### Conditions for Safe Storage, Including Any Incompatibilities:

Store in cool, dry, well-ventilated location out of direct sunlight. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Keep container tightly sealed. Store away from incompatible materials (See Section 10).

### SECTION 8: Exposure Controls/Personal Protection

Only those substances with limit values have been included below.

#### Occupational Exposure Limit Values:

| Country (Legal Basis)     | Substance | Identifier   | Permissible concentration                                                                    |
|---------------------------|-----------|--------------|----------------------------------------------------------------------------------------------|
| ACGIH                     | Colorant  | Trade Secret | 8-Hour TWA: 2.5 mg/m <sup>3</sup> (finescale particles, respirable particulate matter)       |
|                           | Colorant  | Trade Secret | 8-Hour TWA: 0.2 mg/m <sup>3</sup> (nanoscale particles, respirable particulate matter)       |
| OSHA                      | Colorant  | Trade Secret | 8-Hour TWA-PEL: 15 mg/m <sup>3</sup> (total dust)                                            |
| NIOSH                     | Colorant  | Trade Secret | REL-TWA: 0.3 mg/m <sup>3</sup> (ultrafine, including engineered nanoscale [up to 10 hr])     |
|                           | Colorant  | Trade Secret | IDLH: 5000 mg/m <sup>3</sup>                                                                 |
|                           | Colorant  | Trade Secret | REL-TWA: 2.4 mg/m <sup>3</sup> (fine [up to 10 hr])                                          |
| United States(California) | Colorant  | Trade Secret | 8-Hour TWA-PEL: 10 mg/m <sup>3</sup> (particles not otherwise regulated, total dust)         |
|                           | Colorant  | Trade Secret | 8-Hour TWA-PEL: 5 mg/m <sup>3</sup> (particles not otherwise regulated, respirable fraction) |

#### Biological Limit Values:

No biological exposure limits noted for the ingredient(s).

#### Information on Monitoring Procedures:

Not determined or not applicable.

#### Appropriate Engineering Controls:

## Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 08.07.2025

Page 5 of 12

### Tough 2000 Resin V2

Emergency eye wash stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts below the applicable workplace exposure limits, while observing recognized national standards (or equivalent).

#### Personal Protection Equipment

##### Eye and Face Protection:

Safety glasses or goggles. Use eye protection equipment that has been tested and approved by recognized national standards (or equivalent).

##### Skin and Body Protection:

Chemical resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. 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. Ensure that all personal protective equipment is approved by recognized national standards (or equivalent).

##### Respiratory Protection:

If engineering controls do not maintain airborne concentrations below the applicable workplace exposure limits, or to an acceptable level (if exposure limits have not been established), a respirator approved by recognized national standards (or equivalent) must be worn.

#### General Hygienic Measures:

When handling chemical products, do not eat, drink or smoke. Wash hands after handling, before breaks, and at the end of the workday. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Perform routine housekeeping.

### SECTION 9: Physical and Chemical Properties

#### Information on Basic Physical and Chemical Properties

|                                         |                                  |
|-----------------------------------------|----------------------------------|
| Appearance                              | Grey liquid                      |
| Odor                                    | Characteristic acrylate.         |
| Odor threshold                          | Not determined or not available. |
| pH                                      | Not determined or not available. |
| Melting point/freezing point            | Not determined or not available. |
| Initial boiling point/range             | >100°C                           |
| Flash point (closed cup)                | >93.5°C                          |
| Evaporation rate                        | Not determined or not available. |
| Flammability (solid, gas)               | Not flammable.                   |
| Upper flammability/explosive limit      | Not determined or not available. |
| Lower flammability/explosive limit      | Not determined or not available. |
| Vapor pressure                          | Not determined or not available. |
| Vapor density                           | Not determined or not available. |
| Density                                 | 1.12 g/cm <sup>3</sup>           |
| Relative density                        | Not determined or not available. |
| Solubilities                            | Not determined or not available. |
| Partition coefficient (n-octanol/water) | Not determined or not available. |
| Auto/Self-ignition temperature          | Not determined or not available. |
| Decomposition temperature               | Not determined or not available. |
| Dynamic viscosity                       | 1000 cP (25°C), 700 cP (35°C)    |

## Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 08.07.2025

Page 6 of 12

### Tough 2000 Resin V2

|                             |                                  |
|-----------------------------|----------------------------------|
| <b>Kinematic viscosity</b>  | Not determined or not available. |
| <b>Explosive properties</b> | Not determined or not available. |
| <b>Oxidizing properties</b> | Not determined or not available. |

### SECTION 10: Stability and Reactivity

#### Reactivity:

Not reactive under recommended handling and storage conditions.

#### Chemical Stability:

Stable under recommended handling and storage conditions.

#### Possibility of Hazardous Reactions:

Hazardous reactions are not anticipated under recommended conditions of handling and storage.

Stable under recommended handling and storage conditions.

#### Conditions to Avoid:

Extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials.

Avoid storage >38°C (100°F) and exposure to light/direct sunlight and heat.

#### Incompatible Materials:

Polymerization initiators, including peroxides, strong oxidizing agents, alcohols, copper, copper alloys, carbon steel, iron, rust, and strong bases.

#### Hazardous Decomposition Products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological Information

#### Acute Toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product Data:** No data available.

#### Substance Data:

| Name                    | Route      | Result                               |
|-------------------------|------------|--------------------------------------|
| Methacrylate monomer(s) | oral       | LD50 Rat: 3160 mg/kg                 |
|                         | dermal     | LD50 Rabbit: >3000 mg/kg             |
| Photoinitiator(s)       | oral       | LD50 Rat: >5000 mg/kg                |
|                         | dermal     | LD50 Rat: >=2000 mg/kg               |
| Urethane dimethacrylate | oral       | LD50 Rat: >5000 mg/kg                |
|                         | dermal     | LD50 Rat: >2000 mg/kg                |
| Colorant                | oral       | LD50 Rat: > 5000 mg/kg               |
|                         | inhalation | LC50 Rat: 5.09 mg/L (4 hr [aerosol]) |
|                         | dermal     | LD50 Rat: > 2000 mg/kg               |

#### Skin Corrosion/Irritation

##### Assessment:

Causes skin irritation.

##### Product Data:

No data available.

##### Substance Data:

| Name                    | Result                 |
|-------------------------|------------------------|
| Methacrylate monomer(s) | Causes skin irritation |

## Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 08.07.2025

Page 7 of 12

### Tough 2000 Resin V2

#### Serious Eye Damage/Irritation

**Assessment:**

Causes serious eye irritation.

**Product Data:**

No data available.

**Substance Data:**

| Name                    | Result                        |
|-------------------------|-------------------------------|
| Methacrylate monomer(s) | Causes serious eye irritation |

#### Respiratory or Skin Sensitization

**Assessment:**

May cause an allergic skin reaction.

**Product Data:**

No data available.

**Substance Data:**

| Name                    | Result                               |
|-------------------------|--------------------------------------|
| Photoinitiator(s)       | May cause an allergic skin reaction. |
| Urethane dimethacrylate | May cause an allergic skin reaction. |

#### Carcinogenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product Data:** No data available.

**Substance Data:** No data available.

**International Agency for Research on Cancer (IARC):**

| Name                    | Classification |
|-------------------------|----------------|
| Methacrylate monomer(s) | Not Applicable |
| Photoinitiator(s)       | Not Applicable |
| Urethane dimethacrylate | Not Applicable |
| Colorant                | Group 2B       |

**National Toxicology Program (NTP):**

| Name                    | Classification |
|-------------------------|----------------|
| Methacrylate monomer(s) | Not Applicable |
| Photoinitiator(s)       | Not Applicable |
| Urethane dimethacrylate | Not Applicable |
| Colorant                | Not Applicable |

**OSHA Carcinogens:**

| Ingredient Name  | CAS        | OSHA Carcinogens Status |
|------------------|------------|-------------------------|
| Titanium Dioxide | 13463-67-7 | Yes                     |

#### Germ Cell Mutagenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product Data:**

No data available.

**Substance Data:** No data available.

#### Reproductive Toxicity

**Assessment:** Based on available data, the classification criteria are not met.

## Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 08.07.2025

Page 8 of 12

### Tough 2000 Resin V2

**Product Data:**

No data available.

**Substance Data:** No data available.

**Specific Target Organ Toxicity (Single Exposure)****Assessment:**

May cause respiratory irritation.

**Product Data:**

No data available.

**Substance Data:**

| Name                    | Result                           |
|-------------------------|----------------------------------|
| Methacrylate monomer(s) | May cause respiratory irritation |

**Specific Target Organ Toxicity (Repeated Exposure)**

**Assessment:** Based on available data, the classification criteria are not met.

**Product Data:**

No data available.

**Substance Data:** No data available.

**Aspiration toxicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product Data:**

No data available.

**Substance Data:** No data available.

**Information on Likely Routes of Exposure:**

No data available.

**Symptoms Related to the Physical, Chemical, and Toxicological Characteristics:**

No data available.

**Other Information:**

No data available.

### SECTION 12: Ecological Information

**Acute (Short-Term) Toxicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product Data:** No data available.

**Substance Data:**

| Name                    | Result                                                                               |
|-------------------------|--------------------------------------------------------------------------------------|
| Methacrylate monomer(s) | Fish LC50 Danio rerio: 1.79 mg/L (96 hr)                                             |
|                         | Aquatic Invertebrates EC50 Daphnia magna: 2.57 mg/L (48 hr [mobility])               |
|                         | Aquatic Plants EC50 Pseudokirchneriella subcapitata: 2.28 mg/L (72 hr [growth rate]) |
| Photoinitiator(s)       | Aquatic Plants EC50 Desmodesmus subspicatus: 1.01 mg/L (72 hr [growth rate])         |
|                         | Fish LC50 Danio rerio: 1.89 mg/L (96 hr [mortality])                                 |
|                         | Aquatic Invertebrates EC50 Daphnia magna: 2.26 mg/L (48 hr [mobility])               |
| Urethane dimethacrylate | Fish LC50 Danio rerio: 10.1 mg/L (96 hr)                                             |
|                         | Aquatic Invertebrates EC50 Daphnia magna: > 1.2 mg/L (48 hr [mobility])              |
|                         | Aquatic Plants EC50 Desmodesmus subspicatus: > 0.68 mg/L (72 hr [growth rate])       |



## Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 08.07.2025

Page 9 of 12

### Tough 2000 Resin V2

| Name     | Result                                                                        |
|----------|-------------------------------------------------------------------------------|
| Colorant | Aquatic Invertebrates EC50 Daphnia magna: > 100 mg/L (48 hr [mobility])       |
|          | Aquatic Plants EC50 Raphidocelis subcapitata: >100 mg/L (72 hr [growth rate]) |
|          | Fish LC50 Pimephales promelas: >1000 mg/L (96 hr)                             |

#### Chronic (Long-Term) Toxicity

##### Assessment:

Toxic to aquatic life with long lasting effects.

**Product Data:** No data available.

##### Substance Data:

| Name                    | Result                                                                                   |
|-------------------------|------------------------------------------------------------------------------------------|
| Methacrylate monomer(s) | Aquatic Invertebrates EC50 Daphnia magna: 0.658 mg/L (21 d [reproduction])               |
| Colorant                | Aquatic Invertebrates NOEC Daphnia magna: >= 10 mg/L (21 d [population and growth rate]) |
|                         | Fish NOEC Freshwater fish: >= 80 mg/L (6 d [time to hatch])                              |

#### Persistence and Degradability

**Product Data:** No data available.

##### Substance Data:

| Name                    | Result                                                                                                             |
|-------------------------|--------------------------------------------------------------------------------------------------------------------|
| Methacrylate monomer(s) | The substance is readily biodegradable. 70% degradation in water, measured by CO2 evolution, after 28 days.        |
| Photoinitiator(s)       | The substance is not readily biodegradable. <10 % degradation in water, measured by O2 consumption, after 28 days. |
| Urethane dimethacrylate | The substance is not readily biodegradable. 22% degradation in water, measured by CO2 evolution, after 28 days.    |
| Colorant                | Persistence assessment based on biodegradability is not relevant for inorganic compounds such as this substance.   |

#### Bioaccumulative Potential

**Product Data:** No data available.

##### Substance Data:

| Name                    | Result                                                                                                                                                                                                         |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Methacrylate monomer(s) | Bioaccumulation can be assumed based on a log Pow value of 5.09. However, due to expected rapid metabolism and non-bioaccumulative potential of the metabolites, bioaccumulation in organisms is not expected. |
| Photoinitiator(s)       | The substance is not expected to bioaccumulate (log Kow: 2.91 at 25 °C).                                                                                                                                       |
| Urethane dimethacrylate | The substance has the potential to bioaccumulate (log Pow: 3.39 at 20 °C).                                                                                                                                     |
| Colorant                | Bioaccumulation assessment using a classic BCF assessment is not considered relevant for inorganic compounds such as this substance.                                                                           |

#### Mobility in Soil

**Product Data:** No data available.

##### Substance Data:

| Name                    | Result                                                                                                            |
|-------------------------|-------------------------------------------------------------------------------------------------------------------|
| Methacrylate monomer(s) | The substance is slightly mobile in soil with a high potential for adsorption to soil and sediment. Log Koc: 3.71 |

## Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 08.07.2025

Page 10 of 12

### Tough 2000 Resin V2

| Name                    | Result                                                                                                                                                 |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Photoinitiator(s)       | The substance is slightly mobile, therefore, adsorption to soil and sediment is expected (log Koc: 3.07 dimensionless at 26 °C).                       |
| Urethane dimethacrylate | The substance is slightly mobile, therefore, adsorption to soil and sediment is expected (log Koc: 3.655 dimensionless at 25 °C, QSAR substance data). |
| Colorant                | Mobility in soil assessment based on KOC/Kd values are not relevant for inorganic compounds such as this substance.                                    |

#### Results of PBT and vPvB assessment

##### Product Data:

**PBT assessment:** This product does not contain any substances that are assessed to be a PBT.

**vPvB assessment:** This product does not contain any substances that are assessed to be a vPvB.

##### Substance Data:

###### PBT assessment:

|                         |                                                                              |
|-------------------------|------------------------------------------------------------------------------|
| Methacrylate monomer(s) | This substance is not PBT                                                    |
| Urethane dimethacrylate | The substance is not PBT.                                                    |
| Colorant                | PBT assessment does not apply to inorganic compounds such as this substance. |
| Photoinitiator(s)       | The substance is not PBT.                                                    |

###### vPvB assessment:

|                         |                                                                               |
|-------------------------|-------------------------------------------------------------------------------|
| Methacrylate monomer(s) | This substance is not vPvB                                                    |
| Urethane dimethacrylate | The substance is not vPvB.                                                    |
| Colorant                | vPvB assessment does not apply to inorganic compounds such as this substance. |
| Photoinitiator(s)       | The substance is not vPvB.                                                    |

**Other Adverse Effects:** No data available.

### SECTION 13: Disposal Considerations

#### Disposal Methods:

As supplied, this material is not considered a hazardous waste under RCRA. If the material has been altered or contaminated, or it has exceeded its recommended shelf life, the guidance may be inapplicable. Do not discharge into public wastewater or surface waters. It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities.

#### Contaminated packages:

Dispose in a safe manner in accordance with local and national regulations. Do not allow the product to be released into the environment.

### SECTION 14: Transport Information

#### United States Transportation of Dangerous Goods (49 CFR DOT)

|                               |                                                                                                                                                                               |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UN Number                     | UN 3082                                                                                                                                                                       |
| UN Proper Shipping Name       | Environmentally hazardous liquid, N.O.S. Urethane dimethacrylate                                                                                                              |
| UN Transport Hazard Class(es) | 9   |
| Packing Group                 | III                                                                                                                                                                           |
| Environmental Hazards         | Marine Pollutant                                                                                                                                                              |
| Special Precautions for User  | None                                                                                                                                                                          |

## Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 08.07.2025

Page 11 of 12

### Tough 2000 Resin V2

|                               |                                                                                                                                                                                                                                        |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Additional Information</b> | 49 CFR 171.4(c)(2) Not regulated as dangerous goods when transported in single or inner packaging of 5 L or less for liquids or net mass of 5 Kg or less for solids provided the packaging meets the requirements of 49 CFR 173.24(a). |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### International Maritime Dangerous Goods (IMDG)

|                                      |                                                                                                                                                                                    |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UN Number</b>                     | UN 3082                                                                                                                                                                            |
| <b>UN Proper Shipping Name</b>       | Environmentally hazardous liquid, N.O.S. Urethane dimethacrylate                                                                                                                   |
| <b>UN Transport Hazard Class(es)</b> | 9            |
| <b>Packing Group</b>                 | III                                                                                                                                                                                |
| <b>Environmental Hazards</b>         | Marine Pollutant                                                                                                                                                                   |
| <b>Special Precautions for User</b>  | None                                                                                                                                                                               |
| <b>Additional Information</b>        | This product is not regulated as a dangerous good when transported in sizes of ≤5L provided the packaging meets the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. |

#### International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

|                                      |                                                                                                                                                                               |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UN Number</b>                     | UN 3082                                                                                                                                                                       |
| <b>UN Proper Shipping Name</b>       | Environmentally hazardous liquid, N.O.S. Urethane dimethacrylate                                                                                                              |
| <b>UN Transport Hazard Class(es)</b> | 9   |
| <b>Packing Group</b>                 | III                                                                                                                                                                           |
| <b>Environmental Hazards</b>         | Marine Pollutant                                                                                                                                                              |
| <b>Special Precautions for User</b>  | None                                                                                                                                                                          |
| <b>Additional Information</b>        | This product is not regulated as a dangerous good when transported in sizes of ≤5L provided the packaging meets the general provisions of 5.0.2.4.1, 5.0.2.6.1 and 5.0.2.8.   |

### SECTION 15: Regulatory Information

#### United States Regulations

##### Inventory Listing (TSCA):

|              |                         |                 |
|--------------|-------------------------|-----------------|
| Trade Secret | Methacrylate monomer(s) | Listed - Active |
| Trade Secret | Photoinitiator(s)       | Not Listed      |
| Trade Secret | Urethane dimethacrylate | Listed - Active |
| Trade Secret | Colorant                | Listed - Active |

**Significant New Use Rule (TSCA Section 5):** None of the ingredients are listed.

**Export Notification under TSCA Section 12(b):** None of the ingredients are listed.

**SARA Section 302 Extremely Hazardous Substances:** None of the ingredients are listed.

**SARA Section 313 Toxic Chemicals:** None of the ingredients are listed.

**CERCLA:** None of the ingredients are listed.

## Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 08.07.2025

Page 12 of 12

### Tough 2000 Resin V2

**RCRA:** None of the ingredients are listed.

**Section 112(r) of the Clean Air Act (CAA):** None of the ingredients are listed.

**Massachusetts Right to Know:**

|              |          |        |
|--------------|----------|--------|
| Trade Secret | Colorant | Listed |
|--------------|----------|--------|

**New Jersey Right to Know:**

|              |          |        |
|--------------|----------|--------|
| Trade Secret | Colorant | Listed |
|--------------|----------|--------|

**New York Right to Know:**

|              |          |        |
|--------------|----------|--------|
| Trade Secret | Colorant | Listed |
|--------------|----------|--------|

**Pennsylvania Right to Know:**

|              |          |        |
|--------------|----------|--------|
| Trade Secret | Colorant | Listed |
|--------------|----------|--------|

**California Proposition 65:**

**⚠ WARNING:** This product can expose you to 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](http://www.P65Warnings.ca.gov)

**Additional information:** Not determined.

### SECTION 16: Other Information

**Abbreviations and Acronyms:** None

**Disclaimer:**

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

**NFPA:** 0-0-0

**HMIS:** 0-0-0

**Initial Preparation Date:** 08.07.2025

**End of Safety Data Sheet**