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Revision Number 2.05

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Name** VeroYellow™, RGD836

### Other means of identification

**Product Code(s)** SDS-06156 EN A

**PN (Part Number)** OBJ-03302, OBJ-03304, OBJ-18007

**UN number or ID number** UN3082

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** Printing inks

**Uses advised against** This product is a cartridge containing ink. Under normal conditions of use, the substance is released from a cartridge only inside an appropriate printing system, and therefore, exposure is limited

### Details of the supplier of the safety data sheet

#### Manufacturer Address

Stratasys Corporate headquarters United States  
9600 West 76th Street Suite #108  
Eden Prairie, MN 55344  
United States  
Local: +1 952-294-3900  
Phone: +1 952-937-3000

### Emergency telephone number

**Emergency Telephone** +1 215 207 0061 - Americas - Multi lingual response 24/7

**E-mail address** info@Stratasys.com

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|  |             |
|--|-------------|
| Skin corrosion/irritation                          | Category 2  |
| Serious eye damage/eye irritation                  | Category 1  |
| Skin sensitization                                 | Category 1A |
| Specific target organ toxicity (single exposure)   | Category 3  |
| Specific target organ toxicity (repeated exposure) | Category 2  |

### Label elements

**Danger****Hazard statements**

Causes skin irritation  
 Causes serious eye damage  
 May cause an allergic skin reaction  
 May cause respiratory irritation  
 May cause damage to organs through prolonged or repeated exposure

**Appearance** Ink cartridge**Physical state** Liquid**Odor** Characteristic**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Contaminated work clothing must not be allowed out of the workplace  
 Do not breathe vapor  
 Use only outdoors or in a well-ventilated area  
 Wear protective gloves/eye protection/face protection

**Precautionary Statements - Response**

Get medical advice/attention if you feel unwell  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a POISON CENTER or doctor  
 IF ON SKIN: Wash with plenty of water and soap  
 Take off contaminated clothing and wash it before reuse  
 If skin irritation or rash occurs: Get medical advice/attention  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing  
 Call a POISON CENTER or doctor if you feel unwell

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed  
 Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

May be harmful if swallowed. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

**Unknown acute toxicity** 0 % of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Mixture**

| Chemical name | CAS No      | Weight-% | Proprietary |
|---------------|-------------|----------|-------------|
| Proprietary   | Proprietary | 10-30    | *           |
| Proprietary   | Proprietary | 10-30    | *           |
| Proprietary   | Proprietary | 10-30    | *           |

|  |             |         |   |
|--|-------------|---------|---|
| Proprietary                                      | Proprietary | 10-30   | * |
| Proprietary                                      | Proprietary | 10-30   | * |
| Proprietary                                      | Proprietary | 3-10    | * |
| Caprolactone acrylate                            | 110489-05-9 | 1-3     | * |
| Proprietary                                      | Proprietary | 1-3     | * |
| Acrylic acid, 2-hydroxyethyl ester               | 818-61-1    | 0.1-0.3 | * |
| 2-Propenoic acid, 1,2-ethanediyl ester           | 2274-11-5   | 0.1-0.3 | * |
| 2,6-Bis(1,1-Dimethylethyl)-4-Methyl-Phenol       | 128-37-0    | 0.1-0.3 | * |
| Proprietary                                      | Proprietary | 0.1-0.3 | * |
| camphene   | 79-92-5     | 0.1-0.3 | * |
| Glycerol, propoxylated, esters with acrylic acid | 52408-84-1  | 0.1-0.3 | * |
| Proprietary                                      | Proprietary | 0.1-0.3 | * |
| Acrylic acid                                     | 79-10-7     | 0.1-0.3 | * |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. FIRST AID MEASURES

### Description of first aid measures

|   |  |
|---|--|
| <b>General advice</b>                     | Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.  |
| <b>Inhalation</b>                         | Remove to fresh air. Get medical attention immediately if symptoms occur. IF exposed or concerned: Get medical advice/attention.   |
| <b>Eye contact</b>                        | Get immediate medical advice/attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. |
| <b>Skin contact</b>                       | Wash off immediately with soap and plenty of water for at least 15 minutes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.   |
| <b>Ingestion</b>                          | Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.  |
| <b>Self-protection of the first aider</b> | Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).  |

### Most important symptoms and effects, both acute and delayed

**Symptoms** Burning sensation. Itching. Rashes. Hives.

### Indication of any immediate medical attention and special treatment needed

**Note to physicians** May cause sensitization in susceptible persons. Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media** Use extinguishing agent suitable for type of surrounding fire. Class B fires: Use carbon dioxide (CO<sub>2</sub>), regular dry chemical (sodium bicarbonate), regular foam (Aqueous Film Forming Foam-AFFF), or water spray to cool containers.

**Unsuitable extinguishing media** CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical** Product is or contains a sensitizer. May cause sensitization by skin contact.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Special protective equipment for fire-fighters** Cool containers with flooding quantities of water until well after fire is out. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Move containers from fire area if you can do it without risk. Use personal protection equipment. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Keep out of drains, sewers, ditches and waterways. Inhalation is a health risk.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**Other Information** Refer to protective measures listed in Sections 7 and 8.

### Environmental precautions

**Environmental precautions** Prevent further leakage or spillage if safe to do so.

### Methods and material for containment and cleaning up

**Methods for containment** Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Avoid breathing vapors or mists. Wash thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Use only outdoors or in a well-ventilated area. Wear protective gloves and eye/face protection. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Do not eat, drink or smoke when using this product. Heating may cause a fire.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Store in a cool, dry area away from potential sources of heat, open flames, sunlight or other chemicals. Store in a cool, well ventilated area. Store in accordance with local regulations. Keep container tightly closed. Store between 15 °C and 27 °C. Shipment temperature (up to 5 weeks) is -20 °C to 50 °C. Store in a combustible storage area away from heat and open flame.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure Limits** The following ingredients are the only ingredients of the product above the cut-off level (or

level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

| Chemical name  | ACGIH TLV   | OSHA PEL   | NIOSH                                  |
|--|---|--|--|
| 2,6-Bis(1,1-Dimethylethyl)-4-Methyl-Phenol<br>128-37-0 | TWA: 2 mg/m <sup>3</sup> inhalable fraction and vapor | (vacated) TWA: 10 mg/m <sup>3</sup>  | TWA: 10 mg/m <sup>3</sup>              |
| Acrylic acid<br>79-10-7                                | TWA: 2 ppm<br>S*                                      | (vacated) TWA: 10 ppm<br>(vacated) TWA: 30 mg/m <sup>3</sup><br>(vacated) S* | TWA: 2 ppm<br>TWA: 6 mg/m <sup>3</sup> |

### Appropriate engineering controls

**Engineering controls**                      Showers  
 Eyewash stations  
 Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/face protection**                      Tight sealing safety goggles.

**Hand Protection**                              Wear suitable gloves. Impervious gloves.

**Skin and body protection**                      Wear suitable protective clothing. Long sleeved clothing.

**Respiratory protection**                      No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations**                      Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

**Physical state**                                      Liquid  
**Appearance**                                      Ink cartridge  
**Odor**    Characteristic  
**Color**    yellow  
**Odor threshold**                                      No information available

**Explosive properties**                              No data available

**Oxidizing properties**                              No data available

| <u>Property</u>                | <u>Values</u>                         | <u>Remarks • Method</u> |
|--------------------------------|---------------------------------------|-------------------------|
| pH                             | N/A                                   |                         |
| Melting point / freezing point | No data available                     | None known              |
| Boiling point / boiling range  | No data available                     | None known              |
| Flash point                    | >= 100 - < 250 °C / >= 212 - < 482 °F |                         |
| Evaporation rate               | No data available                     | None known              |
| Flammability (solid, gas)      | Not applicable                        | None known              |
| Flammability Limit in Air      |                                       | None known              |
| Upper flammability limit:      | Not applicable                        |                         |
| Lower flammability limit:      | No data available                     |                         |
| Vapor pressure                 | No data available                     | None known              |
| Vapor density                  | No data available                     | None known              |
| Relative density               | 1.10                                  | g/cm <sup>3</sup>       |
| Water solubility               | Insoluble in water                    |                         |

|                                     |                          |            |
|-------------------------------------|--------------------------|------------|
| <b>Solubility in other solvents</b> | No data available        | None known |
| <b>Partition coefficient</b>        | No data available        | None known |
| <b>Autoignition temperature</b>     | No data available        | None known |
| <b>Decomposition temperature</b>    | No data available        | None known |
| <b>Kinematic viscosity</b>          | No data available        | None known |
| <b>Dynamic viscosity</b>            | No data available        | None known |
| <b>Other information</b>            |                          |            |
| <b>Softening point</b>              | No data available        |            |
| <b>Molecular weight</b>             | No data as a mixture     |            |
| <b>VOC Content (%)</b>              | No information available |            |
| <b>Liquid Density</b>               | No data available        |            |
| <b>Bulk density</b>                 | No data available        |            |

## 10. STABILITY AND REACTIVITY

|   |   |
|---|---|
| <b>Reactivity</b>                         | Heating may cause a fire.                                     |
| <b>Chemical stability</b>                 | Decomposes on exposure to light. Unstable if heated.          |
| <b>Possibility of hazardous reactions</b> | Uncured ink will polymerize on exposure to light.             |
| <b>Conditions to avoid</b>                | Avoid exposure to heat and light.                             |
| <b>Incompatible materials</b>             | Not applicable under normal conditions of use and storage.    |
| <b>Hazardous decomposition products</b>   | Thermal Decomposition Products. Combustion: oxides of carbon. |

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | May cause irritation of respiratory tract. (based on components).   |
| <b>Eye contact</b>  | Severely irritating to eyes. Causes serious eye damage. May cause burns. May cause irreversible damage to eyes. (based on components).  |
| <b>Skin contact</b> | May cause sensitization by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes skin irritation. |
| <b>Ingestion</b>    | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. (based on components).  |

### Symptoms related to the physical, chemical and toxicological characteristics

|                 |   |
|-----------------|---|
| <b>Symptoms</b> | Redness. Burning. May cause blindness. Itching. Rashes. Hives. May cause redness and tearing of the eyes. |
|-----------------|---|

### Numerical measures of toxicity

#### Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 2,612.50 mg/kg

**Unknown acute toxicity** 0 % of the mixture consists of ingredient(s) of unknown toxicity

#### Component Information

| Chemical name | Oral LD50    | Dermal LD50             | Inhalation LC50 |
|---------------|--------------|-------------------------|-----------------|
| Proprietary   | = 4890 mg/kg | > 3000 mg/kg ( Rabbit ) | -               |

|  |   |  |  |
|--|---|--|--|
|  | = 4890 mg/kg ( Rat )                                  |  |  |
| Proprietary  | = 588 mg/kg (rat)                                     | > 2000 mg/kg (rat)                                   | = 5.28 mg/l (rat)                              |
| Proprietary  | = 2.000 mg/kg (Rat) (Method: OECD Test Guideline 423) | = 2.000 mg/kg (Rat)(Method: OECD Test Guideline 402) | -  |
| Proprietary  | (Rat) LD50 = 1,590 - 3,910 mg/kg                      | (Rabbit) LD50 = > 2,000 mg/kg                        | (Rat) 1 h LC0 = 6.7 mg/l                       |
| Proprietary  | >2000 mg/kg (Rat)                                     | >2000 mg/kg  | -  |
| Proprietary  | > 2000 mg/kg<br>> 2000 mg/kg ( Rat )                  | > 2000 mg/kg ( Rat )                                 | -  |
| Acrylic acid, 2-hydroxyethyl ester<br>818-61-1                 | = 548 mg/kg<br>= 548 mg/kg ( Rat )                    | > 1000 mg/kg ( Rat )                                 | -  |
| 2-Propenoic acid, 1,2-ethanediyl ester<br>2274-11-5            | = 300 mg/kg<br>= 300 mg/kg ( Rat )                    | -  | -  |
| 2,6-Bis(1,1-Dimethylethyl)-4-Methyl-Phenol<br>128-37-0         | > 2930 mg/kg<br>> 2930 mg/kg ( Rat )                  | > 2000 mg/kg ( Rat )                                 | -  |
| camphene<br>79-92-5  | > 5 g/kg<br>> 5 g/kg ( Rat )                          | > 2500 mg/kg ( Rabbit )                              | -  |
| Glycerol, propoxylated, esters with acrylic acid<br>52408-84-1 | -   | > 2000 mg/kg ( Rabbit )                              | -  |
| Proprietary  | -   | > 13200 mg/kg ( Rabbit )                             | -  |
| Acrylic acid<br>79-10-7  | = 193 mg/kg<br>= 193 mg/kg ( Rat )                    | > 2000 mg/kg ( Rabbit )                              | = 11.1 mg/L ( Rat ) 1 h = 3.6 mg/L ( Rat ) 4 h |

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

|  |   |
|--|---|
| <b>Skin corrosion/irritation</b>         | Classification based on data available for ingredients. Irritating to skin.                           |
| <b>Serious eye damage/eye irritation</b> | Classification based on data available for ingredients. Causes burns. Risk of serious damage to eyes. |
| <b>Respiratory or skin sensitization</b> | May cause sensitization by skin contact. Classification based on data available for ingredients.      |
| <b>Germ cell mutagenicity</b>            | No information available.   |
| <b>Carcinogenicity</b>                   | No information available.   |

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name  | ACGIH | IARC    | NTP | OSHA |
|--|-------|---------|-----|------|
| 2,6-Bis(1,1-Dimethylethyl)-4-Methyl-Phenol<br>128-37-0 | -     | Group 3 | -   | -    |
| Acrylic acid<br>79-10-7                                | -     | Group 3 | -   | -    |

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

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

|                                 |   |
|---------------------------------|---|
| <b>Reproductive toxicity</b>    | No information available.                               |
| <b>STOT - single exposure</b>   | Classification based on data available for ingredients. |
| <b>STOT - repeated exposure</b> | Classification based on data available for ingredients. |

**Aspiration hazard** No information available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

| Chemical name   | Algae/aquatic plants   | Fish  | Toxicity to microorganisms | Crustacea  |
|---|--|---|----------------------------|--|
| Proprietary   | 1.98 mg/l Fresh water  | 0.704 mg/l Fresh water  | -                          | 0.524 mg/l Fresh water   |
| Proprietary   | 120 mg/l (algae)   | -   | -                          | 120 mg/kg (daphnia)  |
| Proprietary   | (Pseudokirchneriella subcapitata) : 1,6 mg/l (Method: OECD Test Guideline 201)                       | (Fish) : 4,95 mg/l  | -                          | (Daphnia magna Straus) : 2,36 mg/l (Method: OECD Test Guideline 202) |
| Proprietary   | Pseudokirchneriella subcapitata (green algae) 96 h EC50 = 0.17 mg/l                                  | Oncorhynchus mykiss (rainbow trout) 96 h LC50 = 27 mg/l   | -                          | Daphnia magna (Water flea) 48 h EC50 = 95 mg/l                       |
| Proprietary   | -  | 90: 96 h Danio rerio µg/L LC50 semi-static  | -                          | -  |
| Acrylic acid, 2-hydroxyethyl ester 818-61-1                 | -  | 4.8: 96 h Pimephales promelas mg/L LC50 flow-through  | -                          | 0.78: 48 h Daphnia magna mg/L EC50                                   |
| 2,6-Bis(1,1-Dimethylethyl)-4-Methyl-Phenol 128-37-0         | 6: 72 h Pseudokirchneriella subcapitata mg/L EC50<br>0.42: 72 h Desmodesmus subspicatus mg/L EC50    | -   | -                          | -  |
| camphene 79-92-5  | 1000: 72 h Desmodesmus subspicatus mg/L EC50   | 0.72: 96 h Brachydanio rerio mg/L LC50 flow-through<br>150: 96 h Brachydanio rerio mg/L LC50 static | -                          | 22: 48 h Daphnia magna mg/L EC50                                     |
| Glycerol, propoxylated, esters with acrylic acid 52408-84-1 | -  | 5.74: 96 h Danio rerio mg/L LC50 static   | -                          | -  |
| Proprietary   | -  | 1.95: 96 h Danio rerio mg/L LC50 static   | -                          | -  |
| Acrylic acid 79-10-7  | 0.04: 72 h Desmodesmus subspicatus mg/L EC50<br>0.17: 96 h Pseudokirchneriella subcapitata mg/L EC50 | 222: 96 h Brachydanio rerio mg/L LC50 semi-static   | -                          | 95: 48 h Daphnia magna mg/L EC50                                     |

**Persistence and degradability** No information available.

**Bioaccumulation** There is no data for this product.

### Component Information

| Chemical name                                       | Partition coefficient |
|---|-----------------------|
| Acrylic acid, 2-hydroxyethyl ester 818-61-1         | 0.21                  |
| 2,6-Bis(1,1-Dimethylethyl)-4-Methyl-Phenol 128-37-0 | 4.17                  |
| Acrylic acid 79-10-7                                | 0.46                  |

**Other adverse effects** No information available.



### 13. DISPOSAL CONSIDERATIONS

**Disposal methods**

|  |   |
|--|---|
| <b>Waste from residues/unused products</b> | Dispose of waste in accordance with environmental legislation. Dispose of in accordance with local regulations. |
| <b>Contaminated packaging</b>              | Do not reuse empty containers.  |
| <b>US EPA Waste Number</b>                 | U008 U056 U220  |

| Chemical name           | RCRA | RCRA - Basis for Listing | RCRA - D Series Wastes | RCRA - U Series Wastes |
|-------------------------|------|--------------------------|------------------------|------------------------|
| Acrylic acid<br>79-10-7 | -    | -                        | -                      | U008                   |

### 14. TRANSPORT INFORMATION

**Additional information** The environmentally hazardous substance mark is not required when transported in sizes of ≤5L or ≤5kg The marine pollutant mark is not required when transported in sizes of ≤5L or ≤5kg

**DOT**

|  |   |
|--|---|
| <b>UN number or ID number</b>          | UN3082  |
| <b>Proper shipping name</b>            | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.                                   |
| <b>Transport hazard class(es)</b>      | 9   |
| <b>Packing group</b>                   | III   |
| <b>Special Provisions</b>              | 8, 146, 173, 335, 441, IB3, T4, TP1, TP29   |
| <b>Description</b>                     | UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, Marine pollutant |
| <b>Emergency Response Guide Number</b> | 171   |

**TDG**

|                                   |  |
|-----------------------------------|--|
| <b>UN number or ID number</b>     | UN3082   |
| <b>UN proper shipping name</b>    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  |
| <b>Transport hazard class(es)</b> | 9  |
| <b>Packing group</b>              | III  |
| <b>Description</b>                | UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate, (Octahydro-4,7-methano-1H-indenediyl)bis(methylene)diacrylate), 9, III |

**MEX**

|                                   |  |
|-----------------------------------|--|
| <b>UN number or ID number</b>     | UN3082   |
| <b>UN proper shipping name</b>    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  |
| <b>Transport hazard class(es)</b> | 9  |
| <b>Special Provisions</b>         | 274, 331, 335  |
| <b>Packing group</b>              | III  |
| <b>Description</b>                | UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate, (Octahydro-4,7-methano-1H-indenediyl)bis(methylene)diacrylate), 9, III |

**ICAO (air)**

|                                   |   |
|-----------------------------------|---|
| <b>UN number or ID number</b>     | UN3082  |
| <b>UN proper shipping name</b>    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| <b>Transport hazard class(es)</b> | 9   |
| <b>Packing group</b>              | III   |

**Special Provisions** A97, A158, A197, A215  
**Description** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
 (Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate,  
 (Octahydro-4,7-methano-1H-indenediyl)bis(methylene)diacrylate), 9, III

**IATA**

**UN number or ID number** UN3082  
**UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
**Transport hazard class(es)** 9  
**Packing group** III  
**ERG Code** 9L  
**Special Provisions** A97, A158, A197  
**Description** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
 (Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate,  
 (Octahydro-4,7-methano-1H-indenediyl)bis(methylene)diacrylate), 9, III

**IMDG**

**UN number or ID number** UN3082  
**UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
**Transport hazard class(es)** 9  
**Packing group** III  
**EmS-No** F-A, S-F  
**Special Provisions** 274, 335, 969  
**Marine pollutant** This product contains a chemical which is listed as a severe marine pollutant according to IMDG/IMO  
**Description** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
 (Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate,  
 (Octahydro-4,7-methano-1H-indenediyl)bis(methylene)diacrylate), 9, III, Marine pollutant

**RID**

**UN number or ID number** UN3082  
**UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
**Transport hazard class(es)** 9  
**Packing group** III  
**Classification code** M6  
**Special Provisions** 274, 335, 375, 601  
**Description** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
 (Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate,  
 (Octahydro-4,7-methano-1H-indenediyl)bis(methylene)diacrylate), 9, III  
**Labels** 9

**ADR**

**UN number or ID number** 3082  
**UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
**Transport hazard class(es)** 9  
**Packing group** III  
**Classification code** M6  
**Tunnel restriction code** (-)  
**Special Provisions** 274, 335, 601, 375  
**Description** 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
 (Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate,  
 (Octahydro-4,7-methano-1H-indenediyl)bis(methylene)diacrylate), 9, III  
**Labels** 9

**ADN**

**UN number or ID number** UN3082  
**UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
**Transport hazard class(es)** 9  
**Packing group** III  
**Classification code** M6  
**Special Provisions** 274, 335, 375, 601  
**Description** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Hazard label(s) (Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate,  
 Limited quantity (LQ) (Octahydro-4,7-methano-1H-indenediyl)bis(methylene)diacrylate), 9, III  
 9  
 5 L

## 15. REGULATORY INFORMATION

### International Inventories

|                 |                          |
|-----------------|--------------------------|
| <b>TSCA</b>     | Complies                 |
| <b>DSL/NDSL</b> | Complies                 |
| <b>ENCS</b>     | No information available |
| <b>IECSC</b>    | Complies                 |
| <b>KECL</b>     | Complies                 |
| <b>PICCS</b>    | No information available |
| <b>AIIC</b>     | Complies                 |

### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AIIC** - Australian Inventory of Industrial Chemicals

### US Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### **SARA 311/312 Hazard Categories**

|  |     |
|--|-----|
| <b>Acute health hazard</b>               | Yes |
| <b>Chronic Health Hazard</b>             | Yes |
| <b>Fire hazard</b>                       | No  |
| <b>Sudden release of pressure hazard</b> | No  |
| <b>Reactive Hazard</b>                   | No  |

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

| Chemical name           | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                   |
|-------------------------|--------------------------|----------------|--|
| Acrylic acid<br>79-10-7 | 5000 lb                  | -              | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |

### US State Regulations

#### **California Proposition 65**

This product contains the following Proposition 65 chemicals:

| Chemical name                 | California Proposition 65 |
|-------------------------------|---------------------------|
| Titanium dioxide - 13463-67-7 | Carcinogen                |
| TOLUENE - 108-88-3            | Developmental             |

**U.S. State Right-to-Know Regulations****US State Regulations**

| Chemical name                                  | New Jersey | Massachusetts | Pennsylvania |
|--|------------|---------------|--------------|
| Acrylic acid, 2-hydroxyethyl ester<br>818-61-1 | X          | X             | X            |
| Acrylic acid<br>79-10-7                        | X          | X             | X            |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

**NFPA** Health hazards 3 Flammability 1 Instability 0 Special hazards -  
**HMIS** Health hazards 3\* Flammability 1 Physical hazards 0 Personal protection X  
 Chronic Hazard Star Legend \* = Chronic Health Hazard

Revision Date 02-Feb-2023

Revision Note No information available.

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**End of Safety Data Sheet**