

# Creapearl

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

Revision Date: 1/5/17

Rev 2

## SECTION 1: IDENTIFICATION

### Product Identifier

**Product Form:** Mixture

**Product Name:** Creapearl Denture Teeth

### Intended Use of the Product

Dental fabrications.

### Name, Address, and Telephone of the Responsible Party

#### **Company**

Jensen Industries Inc.  
50 Stillman Road  
North Haven, CT 06473  
T 1-800-243-2000

### Emergency Telephone Number

**Emergency Number (USA & Canada Only):** CHEMTREC 1-800-424-9300

**Emergency Number (All other Countries):** 203-239-2090

## SECTION 2: HAZARDS IDENTIFICATION

### Classification of the Substance or Mixture

#### **Classification of the Substance or Mixture**

#### **GHS-US Classification**

|                 |      |
|-----------------|------|
| Flam. Liq. 2    | H225 |
| Comb. Dust      | H232 |
| Skin Irrit. 2   | H315 |
| Skin Sens. 1    | H317 |
| Eye Irrit. 2B   | H320 |
| STOT SE 3       | H335 |
| Carc. 2         | H351 |
| Aquatic Acute 3 | H402 |

Full text of hazard classes and H-statements : see section 16

#### **2.2. Label Elements**

#### **GHS-US Labeling**

#### **Hazard Pictograms (GHS-US)**



#### **Signal Word (GHS-US)**

: Warning

#### **Hazard Statements (GHS-US)**

: H225 – Highly flammable liquid and vapor  
H232 - May form combustible dust concentrations in air.  
H315 - Causes skin irritation.  
H317 – Skin sensitization category 1.  
H320 – Causes eye irritation.  
H335 - May cause respiratory irritation.  
H351 – Suspected of causing cancer (inhalation).  
H402 – Harmful to aquatic life.

#### **Precautionary Statements (GHS-US)**

: P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P260 - Do not breathe dust.  
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.



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P270 - Do not eat, drink or smoke when using this product.  
P271 - Use only outdoors or in a well-ventilated area.  
P280 - Wear protective gloves, protective clothing, and eye protection.  
P302+P352 - If on skin: Wash with plenty of water.  
P304+P340 - If inhaled: Remove person to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 - If exposed or concerned: Get medical advice/attention.  
P310 - Immediately call a poison center or doctor.  
P314 - Get medical advice/attention if you feel unwell.  
P321 - Specific treatment (see section 4 on this SDS).  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
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, and international regulations.

### Other Hazards

As a solid disc and block, this product does not present the same hazards as the individual components. The components in their powdered form present various physical and health hazards. Exposure to dust generated from processing is sensitizing, suspected of causing cancer, and present a combustible dust hazard. Avoid generating dust. Much of the information provided in this SDS is for situations of use in which hazardous exposures may occur, such as dental milling. Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

**Methyl methacrylate:** Is a liquid monomer, one of the components involved in the polymerization process of Creapearl. Potential hazards associated with methyl methacrylate are the following: May cause irritation to the upper respiratory, skin, throat, and eyes; dermatitis; pulmonary edema (an abnormal build-up of fluid in the air sacs of the lungs).

**Titanium Dioxide:** Irritation to the lower respiratory tract.

**Unknown Acute Toxicity (GHS-US):** Not available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Mixture

| Name  | Product Identifier  | % (w/w)  | GHS-US classification  |
|---|---------------------|----------|--|
| Methyl methacrylate polymer                       | (CAS No) 9011-14-7  | 98 - 100 | Comb. Dust   |
| 2-Propenoic acid, 2-methyl-, 1,2-ethanediyl ester | (CAS No) 97-90-5    | 2        | Skin Sens. 1, H317<br>STOT SE 3, H335<br>Aquatic Acute 3, H402   |
| Titanium dioxide                                  | (CAS No) 13463-67-7 | <1       | Carc. 2, H351  |
| Methyl methacrylate                               | (CAS No) 80-62-6    | <1       | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>Eye Irrit. 2B, H320<br>Skin Sens. 1, H317<br>STOT SE 3, H335<br>Aquatic Acute 3, H402 |

Full text of H-phrases: see section 16

A range of concentration as prescribed by the Controlled Products Regulations has been used where necessary, due to varying composition.

## SECTION 4: FIRST AID MEASURES

### Description of First Aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Seek medical attention immediately if irritation develops or persists.

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**Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Obtain medical attention if irritation persists.

**Ingestion:** Rinse mouth. Do NOT induce vomiting.

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

**General:** May cause an allergic skin reaction. Suspected of causing cancer (inhalation).

**Inhalation:** May cause respiratory irritation.

**Skin Contact:** May cause an allergic skin reaction. Symptoms may include: Redness, pain, swelling, itching, burning, dryness, and dermatitis.

**Eye Contact:** Eye contact with dust may cause mechanical irritation.

**Ingestion:** Ingestion is likely to be harmful or have adverse effects.

**Chronic Symptoms:** Suspected of causing cancer (inhalation).

### **Indication of Any Immediate Medical Attention and Special Treatment Needed**

If you feel unwell, seek medical advice (show the label where possible).

## **SECTION 5: FIRE-FIGHTING MEASURES**

### **Extinguishing Media**

**Suitable Extinguishing Media:** Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

### **Special Hazards Arising From the Substance or Mixture**

**Fire Hazard:** Combustible Dust.

**Explosion Hazard:** Dust explosion hazard in air.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

### **Advice for Firefighters**

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>). Nitrogen oxides. Ammonia.

### **Reference to Other Sections**

Refer to section 9 for flammability properties.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

**General Measures:** Avoid prolonged contact with eyes, skin and clothing. Avoid breathing dust. Avoid generating dust. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

#### **For Non-Emergency Personnel**

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### **For Emergency Personnel**

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

### **Environmental Precautions**

Prevent entry to sewers and public waters.

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

**For Containment:** Contain and collect as any solid.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Avoid actions that cause dust to become airborne during clean-up such as dry sweeping or using compressed air. Use HEPA vacuum or thoroughly wet with water to clean-up dust. Use PPE described in Section 8. Keep in suitable, closed containers for disposal. Contact competent authorities after a spill.

### **Reference to Other Sections**

See Section 13, Disposal Considerations. See Section 8, Exposure Controls and Personal Protection.

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### SECTION 7: HANDLING AND STORAGE

#### Precautions for Safe Handling

**Additional Hazards When Processed:** Accumulation and dispersion of dust with an ignition source can cause a combustible dust explosion. Keep dust levels to a minimum and follow applicable regulations.

**Precautions for Safe Handling:** Do not breathe dust. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

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

**Technical Measures:** Comply with applicable regulations. Avoid creating or spreading dust. Use explosion-proof electrical, ventilating, lighting equipment. Proper grounding procedures to avoid static electricity should be followed.

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Store locked up.

**Incompatible Materials:** Strong acids. Caustic products. Strong oxidizers.

#### Specific End Use(s)

Dental fabrications.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

| Methyl methacrylate (80-62-6) |                                      |   |
|-------------------------------|--------------------------------------|---|
| Mexico                        | OEL TWA (mg/m <sup>3</sup> )         | 410 mg/m <sup>3</sup>                                     |
| Mexico                        | OEL TWA (ppm)                        | 100 ppm   |
| Mexico                        | OEL STEL (mg/m <sup>3</sup> )        | 510 mg/m <sup>3</sup>                                     |
| Mexico                        | OEL STEL (ppm)                       | 125 ppm   |
| USA ACGIH                     | ACGIH TWA (ppm)                      | 50 ppm  |
| USA ACGIH                     | ACGIH STEL (ppm)                     | 100 ppm   |
| USA ACGIH                     | ACGIH chemical category              | dermal sensitizer, Not Classifiable as a Human Carcinogen |
| USA OSHA                      | OSHA PEL (TWA) (mg/m <sup>3</sup> )  | 410 mg/m <sup>3</sup>                                     |
| USA OSHA                      | OSHA PEL (TWA) (ppm)                 | 100 ppm   |
| USA NIOSH                     | NIOSH REL (TWA) (mg/m <sup>3</sup> ) | 410 mg/m <sup>3</sup>                                     |
| USA NIOSH                     | NIOSH REL (TWA) (ppm)                | 100 ppm   |
| USA IDLH                      | US IDLH (ppm)                        | 1000 ppm  |
| Alberta                       | OEL STEL (mg/m <sup>3</sup> )        | 410 mg/m <sup>3</sup>                                     |
| Alberta                       | OEL STEL (ppm)                       | 100 ppm   |
| Alberta                       | OEL TWA (mg/m <sup>3</sup> )         | 205 mg/m <sup>3</sup>                                     |
| Alberta                       | OEL TWA (ppm)                        | 50 ppm  |
| British Columbia              | OEL STEL (ppm)                       | 100 ppm   |
| British Columbia              | OEL TWA (ppm)                        | 50 ppm  |
| Manitoba                      | OEL STEL (ppm)                       | 100 ppm   |
| Manitoba                      | OEL TWA (ppm)                        | 50 ppm  |
| New Brunswick                 | OEL TWA (mg/m <sup>3</sup> )         | 410 mg/m <sup>3</sup>                                     |
| New Brunswick                 | OEL TWA (ppm)                        | 100 ppm   |
| Newfoundland & Labrador       | OEL STEL (ppm)                       | 100 ppm   |
| Newfoundland & Labrador       | OEL TWA (ppm)                        | 50 ppm  |
| Nova Scotia                   | OEL STEL (ppm)                       | 100 ppm   |
| Nova Scotia                   | OEL TWA (ppm)                        | 50 ppm  |
| Nunavut                       | OEL STEL (mg/m <sup>3</sup> )        | 510 mg/m <sup>3</sup>                                     |
| Nunavut                       | OEL STEL (ppm)                       | 125 ppm   |
| Nunavut                       | OEL TWA (mg/m <sup>3</sup> )         | 410 mg/m <sup>3</sup>                                     |
| Nunavut                       | OEL TWA (ppm)                        | 100 ppm   |

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|                                      |                                     |   |
|--------------------------------------|-------------------------------------|---|
| <b>Northwest Territories</b>         | OEL STEL (ppm)                      | 100 ppm   |
| <b>Northwest Territories</b>         | OEL TWA (ppm)                       | 50 ppm  |
| <b>Ontario</b>                       | OEL STEL (ppm)                      | 100 ppm   |
| <b>Ontario</b>                       | OEL TWA (ppm)                       | 50 ppm  |
| <b>Prince Edward Island</b>          | OEL STEL (ppm)                      | 100 ppm   |
| <b>Prince Edward Island</b>          | OEL TWA (ppm)                       | 50 ppm  |
| <b>Québec</b>                        | VEMP (mg/m <sup>3</sup> )           | 205 mg/m <sup>3</sup>   |
| <b>Québec</b>                        | VEMP (ppm)                          | 50 ppm  |
| <b>Saskatchewan</b>                  | OEL STEL (ppm)                      | 100 ppm   |
| <b>Saskatchewan</b>                  | OEL TWA (ppm)                       | 50 ppm  |
| <b>Yukon</b>                         | OEL STEL (mg/m <sup>3</sup> )       | 510 mg/m <sup>3</sup>   |
| <b>Yukon</b>                         | OEL STEL (ppm)                      | 125 ppm   |
| <b>Yukon</b>                         | OEL TWA (mg/m <sup>3</sup> )        | 410 mg/m <sup>3</sup>   |
| <b>Yukon</b>                         | OEL TWA (ppm)                       | 100 ppm   |
| <b>Titanium dioxide (13463-67-7)</b> |                                     |   |
| <b>Mexico</b>                        | OEL TWA (mg/m <sup>3</sup> )        | 10 mg/m <sup>3</sup>  |
| <b>Mexico</b>                        | OEL STEL (mg/m <sup>3</sup> )       | 20 mg/m <sup>3</sup>  |
| <b>USA ACGIH</b>                     | ACGIH TWA (mg/m <sup>3</sup> )      | 10 mg/m <sup>3</sup>  |
| <b>USA ACGIH</b>                     | ACGIH chemical category             | Not Classifiable as a Human Carcinogen  |
| <b>USA OSHA</b>                      | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 15 mg/m <sup>3</sup> (total dust)   |
| <b>USA IDLH</b>                      | US IDLH (mg/m <sup>3</sup> )        | 5000 mg/m <sup>3</sup>  |
| <b>Alberta</b>                       | OEL TWA (mg/m <sup>3</sup> )        | 10 mg/m <sup>3</sup>  |
| <b>British Columbia</b>              | OEL TWA (mg/m <sup>3</sup> )        | 10 mg/m <sup>3</sup> (total dust)<br>3 mg/m <sup>3</sup> (respirable fraction)      |
| <b>Manitoba</b>                      | OEL TWA (mg/m <sup>3</sup> )        | 10 mg/m <sup>3</sup>  |
| <b>New Brunswick</b>                 | OEL TWA (mg/m <sup>3</sup> )        | 10 mg/m <sup>3</sup>  |
| <b>Newfoundland &amp; Labrador</b>   | OEL TWA (mg/m <sup>3</sup> )        | 10 mg/m <sup>3</sup>  |
| <b>Nova Scotia</b>                   | OEL TWA (mg/m <sup>3</sup> )        | 10 mg/m <sup>3</sup>  |
| <b>Nunavut</b>                       | OEL TWA (mg/m <sup>3</sup> )        | 5 mg/m <sup>3</sup> (respirable mass)<br>10 mg/m <sup>3</sup> (total mass)          |
| <b>Northwest Territories</b>         | OEL STEL (mg/m <sup>3</sup> )       | 20 mg/m <sup>3</sup>  |
| <b>Northwest Territories</b>         | OEL TWA (mg/m <sup>3</sup> )        | 10 mg/m <sup>3</sup>  |
| <b>Ontario</b>                       | OEL TWA (mg/m <sup>3</sup> )        | 10 mg/m <sup>3</sup>  |
| <b>Prince Edward Island</b>          | OEL TWA (mg/m <sup>3</sup> )        | 10 mg/m <sup>3</sup>  |
| <b>Québec</b>                        | VEMP (mg/m <sup>3</sup> )           | 10 mg/m <sup>3</sup> (containing no Asbestos and <1% Crystalline silica-total dust) |
| <b>Saskatchewan</b>                  | OEL STEL (mg/m <sup>3</sup> )       | 20 mg/m <sup>3</sup>  |
| <b>Saskatchewan</b>                  | OEL TWA (mg/m <sup>3</sup> )        | 10 mg/m <sup>3</sup>  |
| <b>Yukon</b>                         | OEL STEL (mg/m <sup>3</sup> )       | 20 mg/m <sup>3</sup>  |
| <b>Yukon</b>                         | OEL TWA (mppcf)                     | 30 mppcf  |
|                                      | OEL TWA (mg/m <sup>3</sup> )        | 10 mg/m <sup>3</sup>  |

### Exposure Controls

**Appropriate Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use local exhaust or general dilution ventilation or other suppression methods to maintain dust levels below exposure limits. Power equipment should be equipped with proper dust collection devices. Proper grounding procedures to avoid static electricity should be followed. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Ensure all national/local regulations are observed.

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**Personal Protective Equipment:** Protective goggles. Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.



**Materials for Protective Clothing:** Wear suitable protective clothing.

**Hand Protection:** Wear chemically resistant protective gloves.

**Eye Protection:** Chemical goggles or safety glasses.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

**Other Information:** When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

|   |   |
|---|---|
| Physical State                                    | : Solid   |
| Appearance  | : Varied  |
| Odor  | : None  |
| Odor Threshold                                    | : Not available   |
| pH  | : Not available   |
| Evaporation Rate                                  | : Not available   |
| Melting Point                                     | : >100 °C (≈ 320 °F)  |
| Freezing Point                                    | : Not available   |
| Boiling Point                                     | : Not available   |
| Flash Point                                       | : 304 °C (580 °F)   |
| Auto-ignition Temperature                         | : Not available   |
| Decomposition Temperature                         | : Not available   |
| Flammability (solid, gas)                         | : Not available   |
| Lower Flammable Limit                             | : Not available   |
| Upper Flammable Limit                             | : Not available   |
| Vapor Pressure                                    | : Not available   |
| Relative Vapor Density at 20 °C                   | : Not available   |
| Relative Density                                  | : Not available   |
| Specific gravity / density                        | : 1.25 g/cm <sup>3</sup>  |
| Specific Gravity                                  | : Not available   |
| Solubility  | : Insoluble in water  |
| Partition Coefficient: N-Octanol/Water            | : Not available   |
| Viscosity   | : Not available   |
| Explosion Data – Sensitivity to Mechanical Impact | : Not expected to present an explosion hazard due to mechanical impact. |
| Explosion Data – Sensitivity to Static Discharge  | : Static discharge could act as an ignition source.                     |
| VOC content                                       | : None  |

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Hazardous reactions will not occur under normal conditions.

**Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur. During thermal decomposition vapors from methyl methacrylate may form, causing irritation to the eyes and respiratory system.

**Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials. Sparks, heat, open flame and other sources of ignition. Generation of airborne dust.

**Incompatible Materials:** Strong acids. Caustic products. Strong oxidizers.

**Hazardous Decomposition Products:** Carbon oxides (CO, CO<sub>2</sub>).

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### SECTION 11: TOXICOLOGICAL INFORMATION

#### Information on Toxicological Effects - Product

**Acute Toxicity:** Not classified

**LD50 and LC50 Data:** Not available

**Skin Corrosion/Irritation:** Not classified

**Serious Eye Damage/Irritation:** Not classified

**Respiratory or Skin Sensitization:** May cause an allergic skin reaction.

**Germ Cell Mutagenicity:** Not classified

**Teratogenicity:** Not classified

**Carcinogenicity:** Suspected of causing cancer.

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** May cause respiratory irritation.

**Symptoms/Injuries After Skin Contact:** May cause an allergic skin reaction. Symptoms may include: Redness, pain, swelling, itching, burning, dryness, and dermatitis.

**Symptoms/Injuries After Eye Contact:** Eye contact with dust may cause mechanical irritation.

**Symptoms/Injuries After Ingestion:** Ingestion is likely to be harmful or have adverse effects.

**Chronic Symptoms:** Suspected of causing cancer (inhalation).

#### Information on Toxicological Effects - Ingredient(s)

**LD50 and LC50 Data:**

|  |   |
|--|---|
| <b>2-Propenoic acid, 2-methyl-, 1,2-ethanediyl ester (97-90-5)</b> |   |
| LD50 Oral Rat  | 3300 mg/kg                                    |
| LD50 Dermal Rat  | > 2000 mg/kg                                  |
| <b>Methyl methacrylate (80-62-6)</b>                               |   |
| LD50 Oral Rat  | 7900 mg/kg                                    |
| LC50 Inhalation Rat  | 29 mg/l/4h                                    |
| LC50 Inhalation Rat  | 4632 ppm/4h                                   |
| <b>Titanium dioxide (13463-67-7)</b>                               |   |
| LD50 Oral Rat  | > 10000 mg/kg                                 |
| <b>Methyl methacrylate polymer (9011-14-7)</b>                     |   |
| IARC Group   | 3   |
| <b>Methyl methacrylate (80-62-6)</b>                               |   |
| IARC Group   | 3   |
| <b>Titanium dioxide (13463-67-7)</b>                               |   |
| IARC Group   | 2B  |
| OSHA Hazard Communication Carcinogen List                          | In OSHA Hazard Communication Carcinogen list. |

### SECTION 12: ECOLOGICAL INFORMATION

#### Toxicity

|  |  |
|--|--|
| <b>2-Propenoic acid, 2-methyl-, 1,2-ethanediyl ester (97-90-5)</b> |  |
| EC50 Daphnia 1   | 44.9 mg/l (Exposure Time: 48 h - Species: Daphnia magna)                           |
| ErC50 (algae)  | 19 mg/l (Exposure Time: 96 h - Species: Pseudokirchnerella subcapitata)            |
| NOEC chronic crustacea   | 5.05 mg/l (Species: Daphnia magna)   |
| <b>Methyl methacrylate (80-62-6)</b>                               |  |
| LC50 Fish 1  | 243 - 275 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| EC50 Daphnia 1   | 69 mg/l (Exposure time: 48 h - Species: Daphnia magna)                             |
| LC 50 Fish 2   | 125.5 - 190.7 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])   |

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### Persistence and Degradability

|                               |                  |
|-------------------------------|------------------|
| CREAPEARL                     |                  |
| Persistence and Degradability | Not established. |

### Bioaccumulative Potential

|                           |                  |
|---------------------------|------------------|
| CREAPEARL                 |                  |
| Bioaccumulative Potential | Not established. |

|                               |     |
|-------------------------------|-----|
| Methyl methacrylate (80-62-6) |     |
| Log Pow                       | 0.7 |

Mobility in Soil Not available

### Other Adverse Effects

**Other Information:** Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

**Ecology – Waste Materials:** Avoid release to the environment.

## SECTION 14: TRANSPORT INFORMATION

**In Accordance with DOT** Not regulated for transport

**In Accordance with IMDG** Not regulated for transport

**In Accordance with IATA** Not regulated for transport

**In Accordance with TDG** Not regulated for transport

## SECTION 15: REGULATORY INFORMATION

### US Federal Regulations

|  |                                 |
|--|---------------------------------|
| CREAPEARL  |                                 |
| SARA Section 311/312 Hazard Classes  | Immediate (acute) health hazard |
| Methyl methacrylate polymer (9011-14-7)  |                                 |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory  |                                 |
| 2-Propenoic acid, 2-methyl-, 1,2-ethanediyl ester (97-90-5)  |                                 |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory  |                                 |
| Methyl methacrylate (80-62-6)  |                                 |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Subject to reporting requirements of United States SARA Section 313 |                                 |
| SARA Section 313 - Emission Reporting  | 1.0 %                           |
| Titanium dioxide (13463-67-7)  |                                 |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory  |                                 |
| SARA Section 311/312 Hazard Classes  | Delayed (chronic) health hazard |

### US State Regulations

|  |  |
|--|--|
| Titanium dioxide (13463-67-7)  |  |
| U.S. - California - Proposition 65 - Carcinogens List  | WARNING: This product contains chemicals known to the State of California to cause cancer. |
| Methyl methacrylate (80-62-6)  |  |
| U.S. - Massachusetts - Right To Know List<br>U.S. - New Jersey - Right to Know Hazardous Substance List<br>U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List<br>U.S. - Pennsylvania - RTK (Right to Know) List |  |
| Titanium dioxide (13463-67-7)  |  |
| U.S. - Massachusetts - Right To Know List<br>U.S. - New Jersey - Right to Know Hazardous Substance List<br>U.S. - Pennsylvania - RTK (Right to Know) List  |  |



# Creapearl

## Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

### Canadian Regulations

|  |  |
|--|--|
| <b>CREAPEARL</b>   |  |
| WHMIS Classification   | Uncontrolled product according to WHMIS classification criteria<br>This product is considered a medical device and is subject to the regulations of the Food and Drugs Act.                                  |
| <b>Methyl methacrylate polymer (9011-14-7)</b>                     |  |
| Listed on the Canadian DSL (Domestic Substances List)              |  |
| WHMIS Classification   | Uncontrolled product according to WHMIS classification criteria  |
| <b>2-Propenoic acid, 2-methyl-, 1,2-ethanediyl ester (97-90-5)</b> |  |
| Listed on the Canadian DSL (Domestic Substances List)              |  |
| <b>Methyl methacrylate (80-62-6)</b>                               |  |
| Listed on the Canadian DSL (Domestic Substances List)              |  |
| Listed on the Canadian IDL (Ingredient Disclosure List)            |  |
| IDL Concentration 1 %  |  |
| WHMIS Classification   | Class B Division 2 - Flammable Liquid<br>Class D Division 2 Subdivision B - Toxic material causing other toxic effects<br>Class D Division 2 Subdivision A - Very toxic material causing other toxic effects |
| <b>Titanium dioxide (13463-67-7)</b>                               |  |
| Listed on the Canadian DSL (Domestic Substances List)              |  |
| WHMIS Classification   | Class D Division 2 Subdivision A - Very toxic material causing other toxic effects   |

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

### SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Revision Date** : 1/5/17  
**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

#### GHS Full Text Phrases:

|                 |  |
|-----------------|--|
| Aquatic Acute 3 | Hazardous to the aquatic environment - Acute Hazard Category 3 |
| Carc. 2         | Carcinogenicity Category 2                                     |
| Comb. Dust      | Combustible Dust   |
| Eye Irrit. 2B   | Serious eye damage/eye irritation Category 2B                  |
| Flam. Liq. 2    | Flammable liquids Category 2                                   |
| Skin Irrit. 2   | Skin corrosion/irritation Category 2                           |
| Skin Sens. 1    | Skin sensitization Category 1                                  |
| STOT SE 3       | Specific target organ toxicity (single exposure) Category 3    |
| H225            | Highly flammable liquid and vapor                              |
| H232            | May form combustible dust concentrations in air                |
| H315            | Causes skin irritation   |
| H317            | May cause an allergic skin reaction                            |
| H320            | Causes eye irritation  |
| H335            | May cause respiratory irritation                               |
| H351            | Suspected of causing cancer                                    |
| H402            | Harmful to aquatic life  |

#### Party Responsible for the Preparation of This Document

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*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*