# SAFETY DATA SHEET

Issue Date 2015-05-31 Revision Date 2025-04-23 Revision: R02

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifiers**
**Product Name:** CLEARsplint (Powder Component)
**Alternate Name:** CLEARsplint

**Recommended Use of the substance or mixture and Restrictions on Use**
**Intended Use:** See Technical Data Sheet
**Application Method:** See Technical Data Sheet

**Details of the Supplier of the Safety Data Sheet**
**Company Name:** Astron Dental Corporation
**Supplier Address:** 815 Oakwood Road, Unit G
Lake Zurich, IL. 60047 (USA)
**Email:** customerservice@astrondental.com

**Australian Distributor**
Ultimate Dental Supply
660A South Rd
MOORABBIN VIC 3189
**Tel:** 03 9532 1799
**Email:** info@ultimatedental.com.au

**Emergency Telephone Numbers**
**Company Phone Number:** 800-323-4144 / 847-726-8787 (During Business Hours, 8:00am – 4:00pm CST)
**Emergency Telephone:** **Infotrac:** 800-535-5053

**Australian Emergency Telephone: 13 11 26**
Poisons Hotline (24 hours / 7 days)

## 2. HAZARDS IDENTIFICATION

| **Classification of the Substance or Mixture** | **Category** |
|---|---|
| Eye Damage/Irritation | 2B |
| Skin Sensitizer | 1 |

**Label Elements**
Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.





CE 1023

**Signal Word**
Warning

**Hazards Statements**

H317 May cause an allergic skin reaction
H319 Causes serious eye irritation

**Precautionary Statements – *Prevention, Response, Disposal***

| | |
|---|---|
| P240 | Ground and bond container and receiving equipment. |
| P261 | Avoid breathing dust / fume / gas / mist / vapors / spray. |
| P264 | Wash…thoroughly after handling. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P280 | Wear protective gloves / eye protection / face protection. |
| P321 | Specific treatment (see information on this label). |
| P363 | Wash contaminated clothing before reuse. |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P305+P351 +P338 | IF ON EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. |
| P333+P313 | If skin irritation or a rash occurs: Get medical advice / attention. |
| P337+P313 | Get medical advice / attention. |
| P501 | Dispose of contents / container in accordance with local / national regulations. |

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

| Ingredient/Chemical Designations | Weight % | GHS Classification | Notes |
|---|---|---|---|
| Polymer (ethyl methacrylate)<br>CAS Number: 0009003-42-3 | 75 – 100 | Combustible Dust | [1] |
| Di-benzoyl peroxide<br>CAS Number: 0000094036-0 | 0.1 – 3.0 | Org. Perox. B;H241<br>Eye Irrit. 2;H319<br>Skin Sens. 1;H317 | [1][2] |

[1] Substance classified with a health or environmental hazard.
[2] Substance with a workplace exposure limit.
[3] PBT-substance or vPvB-substance.
*The full texts of the phrases are shown in Section 16.

## 4. FIRST AID MEASURES

**Description of first aid measures**

**General:**
In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

**Inhalation:**
Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

**Eyes:** Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

**Skin:** Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

**Ingestion:** If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

**Overview:** No specific symptom data available. See section 2 for further details.

**Skin:** May cause an allergic skin reaction.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing Media:**
Recommended extinguishing media; alcohol resistant foam, $CO_2$, powder, water spray.

**Special hazard arising from the substance or mixture:**
Hazardous decomposition: No hazardous decomposition data available. Avoid breathing dust / fume / gas / mist / vapors / spray.

**Advice for Fire-Fighters:**
None

**ERG Guide No. ----**

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures.**
Put on appropriate personal protective equipment (see section 8).

**Environmental Precautions:**
Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.
**Methods and Material for Containment and Cleaning up:**
Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up spills.

If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling:**
See section 2 for further details. – [Prevention]:

**Conditions for Safe Storage, including and incompatibilities**:
Handle containers carefully to prevent damage and spillage.
Store in a cool dry place away from any source of heat or ignition. Keep container closed to prevent water absorption and contamination.
Incompatible materials: Reducing and oxidizing agents. May soften paint and rubbery surfaces.
See section 2 for further details. –[Storage]:

**Specific end use(s)**
No data available.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Control Parameters:**
**Exposure**

| CAS No. | Ingredient | Source | Value |
|---|---|---|---|
| 0000094-36-0 | Di-benzoyl peroxide | OSHA | TWA: 5 mg/m3 |
| | | ACGIH | TWA: 5 mg/m3 |
| | | NIOSH | TWA: 5 mg/m3 |
| | | Supplier | No Established Limit |
| 00090003-42-3 | Polymer (ethyl methacrylate) | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |

**Carcinogen Data**

| CAS No. | Ingredient | Source | Value |
|---|---|---|---|
| 0000094-36-0 | Di-benzoyl peroxide | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No: Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No |
| 00090003-42-3 | Polymer (ethyl methacrylate) | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No: Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No |

**Exposure Controls**

**Respiratory:**
Use type for Particulates Not Otherwise Classified, if needed.

**Eyes:**
Safety glasses or chemical splash goggles.

**Skin:**
Wear overalls to keep skin contact to a minimum. Wear impervious, neoprene type protective gloves, if hot plastic is handled.

**Engineering Controls:**
Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

An eyewash fountain should be located in areas where the product is used.
**Other Work Practices:**
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.
See section 2 for further details. – [Prevention]:

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Appearance** | Fine clear to pigmented Powder |
| **Odor** | Faint Odor in Bulk |
| **Odor Threshold** | Not Measured |
| **pH** | ND |
| **Melting Point / Freezing Point** | NA |
| **Initial boiling point and boiling range** | NA |
| **Flash Point** | 305°C / 580°F |
| **Evaporation Rate (Ether=1)** | ND (BuAC=1) |
| **Flammability (solid, gas)** | Not Applicable |
| **Upper/lower Flammability or Explosive Limits** | **Lower Explosive Limit:** NA<br>**Upper Explosive Limit:** NA |
| **Vapor Pressure (Pa)** | NA |
| **Vapor Density** | NA (air=1) |
| **Specific Gravity** | 1.25 |
| **Solubility in Water** | Insoluble |
| **Partition coefficient n-octanol/water (Log Kow)** | Not Measured |
| **Auto-Ignition Temperature** | NE |
| **Decomposition Temperature** | NE |
| **Viscosity (cSt)** | Not Available |
| **VOC %** | Not Available |
| **% Volatile** | NA |

**Other Information:**
No other relevant information

## 10. STABILITY AND REACTIVITY

**Reactivity**
Hazardous Polymerization will not occur

**Chemical stability**
Stable under normal circumstances

**Possibility of hazardous reactions**
No data available

**Conditions to avoid**
Heat and/or ignition source.

**Incompatible materials**
Strong oxidizing agents.

**Hazardous decomposition products**
Methacrylate Monomer and Oxides of Carbon when burned.

## 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity**

| Ingredient | Oral LD50 mg/kg | Skin LD50 Mg/kg | Inhalation Vapor LC50 Mg/L/4hr | Inhalation Dust/Mist LC50 mg/L/4hr | Inhalation Gas LC50 ppm |
|---|---|---|---|---|---|
| Polymer (ethyl methacrylate) | No data Available | No data Available | No data Available | No data Available | No data Available |
| Di-benzoyl peroxide – (94-36-0) | 7,710.00, Rat-Category: N/A | 1,000.00, Mammal – Category: 3 | No data available | No data available | No data available |

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

| Classification | Category | Hazard Description |
|---|---|---|
| Acute toxicity (oral) | --- | Not applicable |
| Acute toxicity (oral) | --- | Not applicable |
| Acute toxicity (oral) | --- | Not applicable |
| Skin corrosion/irritation | --- | Not applicable |
| Serious eye damage/irritation | --- | Not applicable |
| Respiratory sensitization | --- | Not applicable |
| Skin sensitization | 1 | May cause an allergic skin reaction |
| Germ cell mutagenicity | --- | Not applicable |
| Carcinogenicity | --- | Not applicable |
| STOT-single exposure | --- | Not applicable |
| STOT-repeated exposure | --- | Not applicable |
| Aspiration hazard | --- | Not applicable |

## 12. ECOLOGICAL INFORMATION

**Toxicity:**
No additional information provided for this product. See section 3 for chemical specific data.

**Aquatic Ecotoxicity**

| Ingredient | 96 hr LC50 fish, Mg/l | 48 hr EC50 crustacea, Mg/l | ErC50 algae, Mg/l |
|---|---|---|---|
| Polymer (ethyl methacrylate) | Not Available | Not Available | Not Available |
| Di-benzoyl peroxide – (94-36-0) | Not Available | Not Available | Not Available |

**Persistent and Degradability**
There is no data available on the preparation itself.

**Bioaccumulative potential**
Not Measured

**Mobility in soil**
No data available

**Results of PBT and vPvB assessment**
This product contains no PBT/vPvB chemicals.

**Other adverse effects**
No data available

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods:**
Do not allow into drains or water courses. Wastes and emptied containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

Using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, whether the special waste regulations apply.

## 14. TRANSPORT INFORMATION

| | DOT (Domestic Surface Transportation) | IMO / IMDG (Ocean Transportation) | ICAO/IATA |
|---|---|---|---|
| **UN Number** | Not applicable | Not Regulated | Not Regulated |
| **UN proper shipping** | Not Regulated | Not Regulated | Not Regulated |
| **Transport Hazard Class(es)** | **DOT Hazard Class:** Not Applicable<br>**DOT Label: ---** | **IMDG:** Not Applicable<br>**Sub class:** Not applicable | **Air Class:** Not Applicable |
| **Packing Group** | Not Applicable | Not Applicable | Not Applicable |
| **Environmental Hazards:** | | | |
| **IMDG** | Marine Pollutant: No | | |

**Special precautions for user:**
No further information

## 15. REGULATORY INFORMATION

**Regulatory Overview:**
The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

**Toxic Substance Control Act (TSCA):**
All components of this material are either listed or exempt from listing on the TSCA inventory.

**WHMIS Classification:**
D2B

**US EPA Tier II Hazards:**
- **-Fire:** No
- **-Sudden Release of Pressure:** No
- **-Reactive:** No
- **-Immediate (Acute):** Yes
- **-Delayed (Chronic):** No

**EPCRA 311/312 Chemicals and RQs (lbs):**
(No Product Ingredients Listed)

**EPCRA 302 Extremely Hazardous:**
(No Product Ingredients Listed)

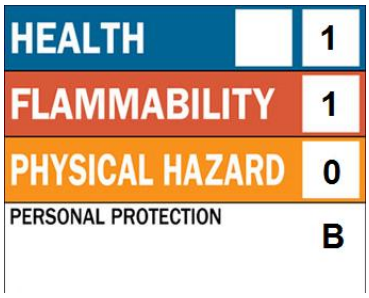
**EPCRA 313 Toxic Chemicals:**
Di-benzoyl peroxide
**Proposition 65 – Carcinogens (>0.0%):**
(No Product Ingredients Listed)
**Proposition 65 – Developmental Toxins (>0.0%):**
(No Product Ingredients Listed)
**Proposition 65 – Female Repro Toxins (>0.0%):**
(No Product Ingredients Listed)
**Proposition 65 – Male Repro Toxins (>0.0%):**
(No Product Ingredients Listed)

**New Jersey RTK Substances (>1%):**
Di-benzoyl peroxide

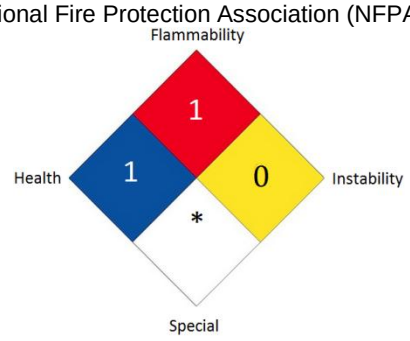
**Pennsylvania RTK Substances (>1%):**
Di-benzoyl peroxide

## 16. Other Information

Hazardouns Material Information System (HMIS)




National Fire Protection Association (NFPA)




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