

# SAFETY DATA SHEET

Issue Date 2018-10-01

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Revision: R01

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifiers

**Product Name:** The Original CLEARsplint Disc  
**Alternate Name:** The Original CLEARsplint Disc

### 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

### 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

## 2. HAZARDS IDENTIFICATION

### Classification of the Substance or Mixture

Eye Damage/Irritation  
 Skin Sensitizer

### Category

2B  
 1

### Label Elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows. May cause an allergic reaction.



### Signal Word

Warning

Additional information: Contains ethyl methacrylate, dibenzoyl peroxide. May cause an allergic reaction.

CE 1023

### Hazards Statements

H317 May cause an allergic skin reaction

### Precautionary Statements – Prevention, Response, Disposal

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 IF ON EYES: Rinse continuously with water for several minutes. Remove  
 +P338 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**

Chemical characterisation: MIXTURES SOLID

**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<sub>2</sub>, powder, water spray.

**Special hazard arising from the substance or mixture:**

Hazardous decomposition: No hazardous decomposition data available. Avoid breathing dust.

**Advice for Fire-Fighters:**

None

ERG Guide No. ----

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures.**

Not required.

**Environmental Precautions:**

No special measures required.

**Methods and Material for Containment and Cleaning up:**

Collect mechanically in accordance with local, state and federal regulations.

**7. HANDLING AND STORAGE****Precautions for Safe Handling:**

See section 2 for further details. – [Prevention]:

**Conditions for Safe Storage, including and incompatibilities:**

Store in a cool dry place away from any source of heat or ignition.

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
00090003-42-3	Polymer (ethyl methacrylate)	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0002370-63-0	2-Ethoxyethyl Methacrylate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
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

**Carcinogen Data**

CAS No.	Ingredient	Source	Value
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
0002370-63-0	2-Ethoxyethyl Methacrylate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No
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

**Exposure Controls****Respiratory:**

Use type for Particulates Not Otherwise Classified, if needed.

**Eyes:**

Safety glasses

**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.

**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

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

## 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
2-Ethoxyethyl 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 (dermal)	---	Not applicable
Acute toxicity (inhalation)	---	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
2-Ethoxyethyl Methacrylate (0002370-63-0)	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:

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
<b>UN Number</b>	Not applicable	Not Regulated	Not Regulated
<b>UN proper shipping</b>	Not Regulated	Not Regulated	Not Regulated
<b>Transport Hazard Class(es)</b>	<b>DOT Hazard Class:</b> Not Applicable <b>DOT Label:</b> ---	<b>IMDG:</b> Not Applicable <b>Sub class:</b> Not applicable	<b>Air Class:</b> Not Applicable
<b>Packing Group</b>	Not Applicable	Not Applicable	Not Applicable
<b>Environmental Hazards:</b>			
<b>IMDG</b>	Marine Pollutant: No		
<b>Special precautions for user:</b>	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%):**

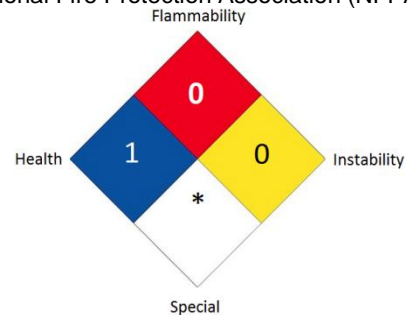
Di-benzoyl peroxide

**16. Other Information**

Hazardous Material Information System (HMIS)

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>B</b>

National Fire Protection Association (NFPA)



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