

Issue Date 2018-10-01

Revision Date 2025-04-23

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

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

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, CO₂, 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

Appearance	Solid disc
Odor	N/A
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 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

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
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 DOT Label: ---	IMDG: Not Applicable 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%):

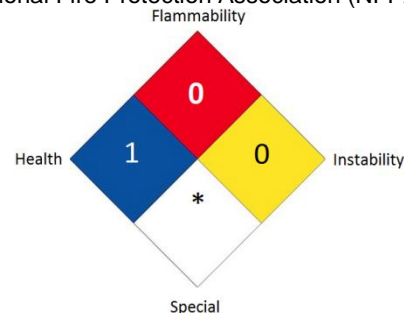
Di-benzoyl peroxide

16. Other Information

Hazardous Material Information System (HMIS)

HEALTH		1
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

National Fire Protection Association (NFPA)



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