

Issue Date 2015-05-31

Revision Date 2015-05-31

Revision: R0

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

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.



Signal Word
 Warning

CE 1023

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 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

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) CAS Number: 0009003-42-3	75 – 100	Combustible Dust	[1]
Di-benzoyl peroxide CAS Number: 0000094036-0	1.0 – 10	Org. Perox. B;H241 Eye Irrit. 2;H319 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, CO₂, 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 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 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%):

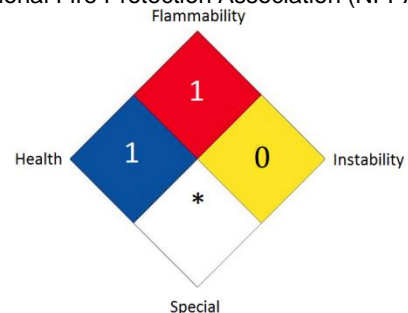
Di-benzoyl peroxide

16. Other Information

Hazardous Material Information System (HMIS)

HEALTH		1
FLAMMABILITY		1
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

National Fire Protection Association (NFPA)



The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customer/users of this product must comply with all applicable health and safety laws, regulations, and orders.