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Revision Date 2025-04-23

Revision: R01

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifiers

Product Name: Light Cure Base Plate

Recommended Use of the substance or mixture and Restrictions on Use

Intended Use: Making of individual impression and functional trays. Occlusal registration. Precise impression for partial or total prosthetics.

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: 847-726-8787 (During Business Hours, 8:00am – 4:00pm CST)

Emergency Telephone: Infotrac: 800-535-5053

2. HAZARDS IDENTIFICATION

Potential Hazards: Irritant

Additional hazard advices for human and environment: None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization:

Hazardous ingredients:

| Ingredients | Cas-No. | Percentage (%) | Identification |
|---------------------------------|----------|----------------|----------------|
| Oligomeric urethane acrylate | - | 0-10 | - |
| Vinyl ester resin (acrylates) | - | 0-10 | None |
| Triethylenglykoldi-methacrylate | 109-16-0 | 0-10 | None |
| Phophine oxide | - | 0-1 | - |

4. FIRST AID MEASURES

General Advices: In all cases of doubt, or when symptoms persist, seek medical advice.

Skin: Remove contaminated clothing. Wash skin thoroughly with soap and water. Seek medical attention if skin continues to be irritated.

Eye: Irrigate copiously with clean water for 15 minutes, holding the eyelids apart. Seek medical attention if irritation persists.

Inhalation: Remove to fresh air.

Ingestion: Seek medical advice immediately.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing agents: Foam, dry powder, carbon dioxide, waterspray-stream.
Adjust fire fighting measures to ambiance.

For safety reasons unsuitable extinguishing media: None

Particular danger through the product itself, its combustion products or gusts: Not known.

Protective equipment for fire-fighters: Use conventional measures to combat chemical fires. Use self-contained breathing apparatus (isolating-unit).

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use good personal hygiene. Wash hands before eating, drinking, smoking and/or using toilet.

Environmental protection measures: Do not allow to enter drains or waterways.

Methods for clean up: Dispose of material in accordance with local, state, and federal regulations.

7. HANDLING AND STORAGE

Handling: Use conventional precautions when working with chemicals.

Information about fire and explosion protection: No special measures necessary.

Storage conditions: Storage time: 3 years
Store at a cool, dry and light protected place.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal protective equipment: Comply with conventional precautions when working with chemicals.

| | |
|-------------------|---|
| Breathing: | None |
| Eye: | Wear protection goggles when working with material. |
| Skin: | If prolonged skin contact will occur, use gloves designed for routine industrial use. |
| Body: | Wear business usual protection clothes. |

Other protection measures: None

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|----------------------------|---|
| Form | Upper jaw and lower jaw pattern, kneadable mass |
| Appearance | dough-like mass |
| Color | Pink |
| Odor | Acrylates / methacrylates |
| Flash point | Not available |
| Density | Not available |
| Solubility in water | Insoluble |
| Ph-value: | Not applicable |

10. STABILITY AND REACTIVITY

Conditions to avoid: Heat, sun and light impact to avoid polymerization.

Hazardous decomposition products: None.

Further Information: Do not exceed storage time or temperature.

11. TOXICOLOGICAL INFORMATION**Acute Toxicity**

Skin: Irritation

Eyes: Irritation

Respiratory system: Irritation

Further Information: Use conventional precautions when working with chemicals. Methacrylates may cause allergic reaction.

12. ECOLOGICAL INFORMATION

Fish toxicity: Not applicable

Water organism: Not applicable

Bacteria toxicity: Not applicable

Further detail to ecology: Do not allow product to reach ground water, lakes, waterways and/or sewage systems.

Bioaccumulative potential: No data available

Effect of the determination of the PTB- and vPvB- Report: Potential endocrine disruption.

13. DISPOSAL CONSIDERATIONS

Substance / Preparation: Dispose of in accordance with federal, state and local regulations. Do not reuse empty containers.

14. TRANSPORT INFORMATION**Land transport:****Classification:**

Class: - (non hazardous material)

UN-Number: -

Description of the goods: Light Cure Base Plate

Packaging group: Not applicable (non flammable)

Hazard sheet: Not applicable

Maritime transport IMDG:**Classification:**

IMDG Code: -

UN Number: -

EmS: -

Marine Pollutant: No

Description of the good: Light Cure Base Plate

Hazard cause: -

Packaging group: N/A (non flammable)

Hazard sheet: N/A

Air transport ICAO/IATA**Classification:****Class: -****UN-Number: -****Description of the good:** Light Cure Base Plate**Hazard cause: -****Packaging:****Packaging group: not applicable, because it is not flammable substance****Hazard sheet: not applicable****15. REGULATORY INFORMATION****GHS Labeling****Warning****H315** Causes skin irritation**H319** Causes serious eye injury**H335** May cause respiratory irritation**National Rules****Water hazard class**

Water Hazard Class 2 (Estimation on the basis of the ingredients)

16. OTHER INFORMATION**Manufacturer's suggested application restriction:**

Professional use only.

Some of the information presented and conclusions drawn herein are from sources other than direct test-data on the product itself.

Disclaimer of Liability

The information in this SDS was obtained from sources which we believe to be reliable. However, the information is provided without any warranty, express or implied, regarding its correctness.

The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense connected with the handling, storage, use or disposal of the product.

This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

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