# Material Safety Data Sheet

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### **SECTION I – Product/Company Identification**

CosmeCore 1.1 Product Trade Name:

1.2 Part (Item) Number:

1.3 Division Name: COSMEDENT Inc.

1.4 Address: 401 North Michigan Avenue

Chicago, IL 60611

1.5 Emergency Telephone Number:

1.6 Telephone Number for Information: (312) 644-9586 1.7 Date Prepared: 08-30-2004

### **SECTION II – Hazardous Ingredients/Identity Information**

Hazardous Components	OSHA PEL	<b>ACGIH TLV</b>	Other Limits
Diurethane dimethacrylate	N.E.	N.E.	
Bis-GMA	N.E.	N.E.	
Diacrylat	N.E.	N.E.	
Barium aluminum boron silicate glass	N.E.	N.E.	
Dibenzoyl peroxide	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	
Silica fume (as Dust)	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	

## **SECTION III – Physical/Chemical Characteristics**

1,9 g/cm<sup>3</sup> 3.1 Boiling Point: N.A. 3.6 Specific Gravity: 3.2 Vapor Pressure: 3.7 Melting Point: N.A. N.E. 3.3 Vapor Density: N.A. 3.8 Evaporation Rate: N.A.

3.4 Solubility in Water: Not soluble

3.5 Appearance and Odor: Various shades of viscous paste with sweet acrylic ester odor

#### **SECTION IV – Fire and Explosion Hazard Data**

4.1 Flash Point: N.A. 4.2 Flammability (explosive limits): N.A.

LEL: N.A. UEL: N.A. 4.3 Extinguishing Media:

Water spray, Carbon dioxide, foam

4.4 Special Fire Fighting Procedures: Fire fighter should wear full protective clothing including a self

contained breathing apparatus

4.5 Unusual Fire and Explosion Hazards: During a fire, irritating gases from the decomposition may be

present

#### **SECTION V – Reactivity Data**

5.1 Stability: **Unstable:** Stable: X

5.2 Condition to Avoid (Stability): Bright visible light. Temperatures greater than 50°C (122°F)

5.3 Incompatibility (Materials to Avoid): Strong oxidizing agents

5.4 Hazardous Decomposition or

**Byproducts:** Irritating gases, CO and CO<sub>2</sub>

5.5 Hazardous Polymerisation: May Occur: Will not Occur: X

5.6 Conditions to Avoid (Polymerisation): Elevated temperatures and oxidizing materials. Product is sensitive

to visible light. Heat greater than 50°C

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#### **SECTION VI – Health Hazard Data**

**6.1 Route(s) of Entry:** Inhalation?: No Skin?: Yes Ingestion?: Possible

6.2 Health Hazards (Acute and Chronic):

**Eyes:** Material can cause irritation.

**Skin:** Material may be an irritant. Susceptible persons with known

allergies to methacrylates and acrylates may develop allergic

response.

**Ingestion:** Material is probably not harmful if swallowed.

6.3 Carcinogenicity: NTP?: IARC Monographs?: OSHA Regulated?:

Not listed Not listed No

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic substances Control Act

(TSCA) Chemical Substance Inventory.

**6.4 Signs and Symptoms of Exposure:** Dermal redness or irritation. Severe allergic response may result in

breathing difficulties.

6.5 Medical Conditions Generally

Aggravated by Exposure: Open sores and wounds of the skin. Individuals with known

sensitivity to methacrylates, acrylates or urethane dimethacrylates.

6.6 Emergency First Aid Procedures:

**Eyes:** In case of eye contact, flush with flowing water. Get prompt

medical attention.

**Skin:** Wash skin with soap and water. If irritation persists, call a physician

**Ingestion:** If swallowed give 2 glasses of water to drink. See a physician.

## SECTION VII - Precautions for Safe Handling and Use

7.1 Steps to Be Taken in Case Material

is Released or Spilled: Scoop bulk material and place in a labeled plastic or metal

container. Avoid gross skin contact.

7.2 Waste Disposal Methods: Dispose of in accordance with Federal, State and Local

environmental control regulations.

7.3 Precautions to Be Taken in Handling

and Storage:

Store away from food and beverages. Store away from extreme

heat.

**7.4 Other Precautions:** None

## **SECTION VIII - Control Measures**

**8.1 Respiratory Protection:** None required during normal use of this product.

**8.2 Ventilation:** None required during normal intended use of this product.

8.3 Protective Gloves:

8.4 Eye Protection:

Latex or vinyl gloves

Protective goggles

8.5 Other Protective Clothing

or Equipment: Coat

**8.6 Work/Hygienic Practices:** Observe normal care when working with chemicals.