

Material Safety Data Sheet

CosmeCore Dual Cure

Page 1 of 2

SECTION I – Product/Company Identification

1.1 Product Trade Name: CosmeCore Dual Cure
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// (800) 621-6729
1.7 Date Prepared: 03-03-2011

SECTION II – Hazardous Ingredients/Identity Information

<u>Hazardous Components</u>		<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits</u>
Diurethane dimethacrylate	CAS-Nr. 72869 -86-4	N.E.	N.E.	
Bis-GMA	CAS-Nr. 1565-94-2	N.E.	N.E.	
Diacrylat		N.E.	N.E.	
Barium aluminum boron silicate glass		N.E.	N.E.	
Dibenzoyl peroxide	CAS-Nr. 94-36-0	5 mg/m ³	5 mg/m ³	
Silica fume (as Dust)		2 mg/m ³	2 mg/m ³	

SECTION III – Physical/Chemical Characteristics

3.1 Boiling Point: N.A.
3.2 Vapor Pressure: N.A.
3.3 Vapor Density: N.A.
3.4 Solubility in Water: Not soluble
3.5 Appearance and Odor: Various shades of viscous paste with sweet acrylic ester odor
3.6 Specific Gravity: 1,9 g/cm³
3.7 Melting Point: N.E.
3.8 Evaporation Rate: N.A.

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 CO₂
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

Material Safety Data Sheet

CosmeCore Dual Cure

Page 2 of 2

SECTION VI – Health Hazard Data

6.1 Route(s) of Entry:	Inhalation?: No	Skin?: Yes	Ingestion?: Possible
6.2 Health Hazards (Acute and Chronic):	LD-50 Urethandimethacrylate		> 2000 mg /kg (rat, oral)
	LD-50 Bis-GMA		> 2000 mg /kg (rat, oral)
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?: Not listed	IARC Monographs?: Not listed	OSHA Regulated?: 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:	Latex or vinyl gloves
8.4 Eye Protection:	Protective goggles
8.5 Other Protective Clothing or Equipment:	Coat
8.6 Work/Hygienic Practices:	Observe normal care when working with chemicals.
