

Material Safety Data Sheet

COSMESEAL FILLED

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SECTION I – Product/Company Identification

1.1 Product Trade Name: COSMESEAL FILLED
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: 03-04-2011

SECTION II – Hazardous Ingredients/Identity Information

<u>Hazardous Components</u>		<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits</u>
Di urethane dimethacrylate	CAS-Nr. 72869 -86-4	N.E.	N.E.	
Bis-GMA	CAS-Nr. 1565-94-2	N.E.	N.E.	
Butanediol dimethacrylate	CAS-Nr. 2082-81-7	N.E.	N.E.	
Silica fume (as Dust)		2 mg/m ³	2 mg/m ³	

SECTION III – Physical/Chemical Characteristics

3.1 Boiling Point:	N.A.	3.6 Specific Gravity:	1,1 g/cm ³
3.2 Vapor Pressure:	N.A.	3.7 Melting Point:	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:	milky viscous liquid 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 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

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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):	LD-50 1,4-Butandiol dimethacrylate		> 5000 mg /kg (rat, oral)
	LD-50 Urethane dimethacrylate		> 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?:	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:	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.