

# Material Safety Data Sheet

INSURE

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## SECTION I – Product/Company Identification

1.1 Product Trade Name: INSURE  
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.                |                     |
| Barium aluminum boron silicate glass |                     | N.E.                | N.E.                |                     |
| Silica fume (as Dust)                |                     | 2 mg/m <sup>3</sup> | 2 mg/m <sup>3</sup> |                     |

## SECTION III – Physical/Chemical Characteristics

3.1 Boiling Point: N.A. 3.6 Specific Gravity: 1,8 g/cm<sup>3</sup>  
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: 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

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|                                                                 |                                                                                                                                                                        |                                        |                               |
|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------|
| <b>6.1 Route(s) of Entry:</b>                                   | <b>Inhalation?:</b> No                                                                                                                                                 | <b>Skin?:</b> Yes                      | <b>Ingestion?:</b> Possible   |
| <b>6.2 Health Hazards (Acute and Chronic):</b>                  | LD-50 1,4-Butandioldimethacrylate                                                                                                                                      | > 5000 mg /kg (rat, oral)              |                               |
|                                                                 | LD-50 Urethandimethacrylate                                                                                                                                            | > 2000 mg /kg (rat, oral)              |                               |
|                                                                 | LD-50 Bis-GMA                                                                                                                                                          | > 2000 mg /kg (rat, oral)              |                               |
| <b>Eyes:</b>                                                    | Material can cause irritation.                                                                                                                                         |                                        |                               |
| <b>Skin:</b>                                                    | Material may be an irritant. Susceptible persons with known allergies to methacrylates and acrylates may develop allergic response.                                    |                                        |                               |
| <b>Ingestion:</b>                                               | Material is probably not harmful if swallowed.                                                                                                                         |                                        |                               |
| <b>6.3 Carcinogenicity:</b>                                     | <b>NTP?:</b><br>Not listed                                                                                                                                             | <b>IARC Monographs?:</b><br>Not listed | <b>OSHA Regulated?:</b><br>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. |                                        |                               |
| <b>6.4 Signs and Symptoms of Exposure:</b>                      | Dermal redness or irritation. Severe allergic response may result in breathing difficulties.                                                                           |                                        |                               |
| <b>6.5 Medical Conditions Generally Aggravated by Exposure:</b> | Open sores and wounds of the skin. Individuals with known sensitivity to methacrylates, acrylates or urethane dimethacrylates.                                         |                                        |                               |
| <b>6.6 Emergency First Aid Procedures:</b>                      |                                                                                                                                                                        |                                        |                               |
| <b>Eyes:</b>                                                    | In case of eye contact, flush with flowing water. Get prompt medical attention.                                                                                        |                                        |                               |
| <b>Skin:</b>                                                    | Wash skin with soap and water. If irritation persists, call a physician                                                                                                |                                        |                               |
| <b>Ingestion:</b>                                               | If swallowed give 2 glasses of water to drink. See a physician.                                                                                                        |                                        |                               |

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## SECTION VII – Precautions for Safe Handling and Use

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|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <b>7.1 Steps to Be Taken in Case Material is Released or Spilled:</b> | Scoop bulk material and place in a labeled plastic or metal container. Avoid gross skin contact . |
| <b>7.2 Waste Disposal Methods:</b>                                    | Dispose of in accordance with Federal, State and Local environmental control regulations.         |
| <b>7.3 Precautions to Be Taken in Handling and Storage:</b>           | Store away from food and beverages. Store away from extreme heat.                                 |
| <b>7.4 Other Precautions:</b>                                         | None                                                                                              |

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## SECTION VIII – Control Measures

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|                                                    |                                                           |
|----------------------------------------------------|-----------------------------------------------------------|
| <b>8.1 Respiratory Protection:</b>                 | None required during normal use of this product.          |
| <b>8.2 Ventilation:</b>                            | None required during normal intended use of this product. |
| <b>8.3 Protective Gloves:</b>                      | Latex or vinyl gloves                                     |
| <b>8.4 Eye Protection:</b>                         | Protective goggles                                        |
| <b>8.5 Other Protective Clothing or Equipment:</b> | Coat                                                      |
| <b>8.6 Work/Hygienic Practices:</b>                | Observe normal care when working with chemicals.          |

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