

**DILLON CO., INC.**  
**161 COMSTOCK PARKWAY**  
**CRANSTON, RI 02921**  
**(401) 464-5850**  
**FAX# (401) 464-5862**

**MATERIAL SAFETY DATA SHEET**

**DATE: MAY 2002**

**1. PRODUCT IDENTIFICATION**

Product Name: **SENSATION II DENTINES, ENAMELS, OPACIOUS DENTINES AND COLOR TRANSLUCENTS**

**2. COMPONENTS**

|                 | <b>CAS #</b> | <b>% w/w</b> | <b>LTEL</b>            |
|-----------------|--------------|--------------|------------------------|
| Silicon dioxide | 14464-46-1   | 51-66        | 0.08 mg/M <sup>3</sup> |
| Aluminum oxide  | 1344-28-1    | 9-13         | 4.0 mg/M <sup>3</sup>  |
| Tin dioxide     | 18282-10-5   | 0-13         | 2.0 mg/M <sup>3</sup>  |
| Boron trioxide  | 1303-86-2    | 0-2          | 10.0 mg/M <sup>3</sup> |

**3. PHYSICAL DATA**

**Boiling Point:** N/A

**Melting Point:** N/A

**Solubility in Water:** Insoluble

**pH**

**Appearance and Color:** Fine powder, various shades

**4. HEALTH HAZARD DATA**

Eyes: May cause irritation.

Skin: May cause irritation and drying.

Ingestion: May cause irritation.

Inhalation: May cause irritation to mucous membranes, nose and throat.

**5. FIRST AID**

Eyes: Flush with large volumes of water for at least 20 minutes. Seek medical advice.

Skin: Wash with soap and water and rinse with plenty of water.

Ingestion: Wash out mouth thoroughly. Seek medical advice.

Inhalation: Remove the person to fresh air. If symptoms persist seek medical advice.

**6. PERSONAL PROTECTION**

Wear eye protection. Wear a mask with dust filter. Do not eat or drink when handling the product.

**7. STABILITY AND REACTIVITY**

No decomposition if used according to manufacturers instructions.

Will react with hydrofluoric acid to form corrosive substances.

Keep away from strong alkalis.

## **8. PRECAUTIONS FOR SAFE HANDLING AND USE**

**Steps to be Taken in Case of a Spill or Leak:** Take up mechanically.

**Disposal:** By waste contractor in landfill or incinerator.

**Precautions to be Taken in Handling & Storing:** Unrestricted transport. Avoid creating dust. Wear eye protection. Avoid creating dust during use. Keep container tightly closed in a cool dry place.

## **9. FIRE FIGHTING**

Extinguishing media suitable to cause of fire and surroundings.

## **10. TOXICOLOGICAL INFORMATION**

Inhalation over a prolonged period may lead to pneumoconiosis, cyanosis and pulmonary oedema.

Note: LTEL Long Term Exposure Limit (8 hours)