MATERIAL SAFETY DATA SHEET

1.1 Product Trade Name: TYLOK® PLUS™ cement
1.2 Part (Item) Number: 620200, 620201

SECTION I

1.3 Division Name	:Caulk/Dentsply
1.4 Address	:Clarke and Lakeview Aves.
	:Milford DE 19963-0359
1.5 Emergency phone number	:(302) 422-4511
1.6 Phone number for information	:(302) 422-4511
1.7 Date prepared	:March 11, 1991

SECTION II - Hazardous Ingredients/Identity Information

Hazardous Components	OSHA PEL	ACGIH TLV	Other limits
:Zinc Oxide	:5 mg/m³	:10 mg/m³	:
:Polyacrylic Acid	:--	:--	:
:Stannous Fluoride	:--	:--	:
:	:	:	:
:	:	:	:
:	:	:	:

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 : Partially
3.5 Appearance and odor: Light pink, free-flowing powder with faint acidic odor
3.6 Specific Gravity : 4.5 g/cm³
3.7 Melting point : N.A.
3.8 Evaporation rate : N.A.

SECTION IV - Fire and Explosion Hazard Data

4.1 Flash point (method used) : N.A.
4.2 Flammability (explosive limits) :
LEL: N.A. **UEL:** N.A.
4.3 Extinguishing media : Dry sand, carbon dioxide, or dry chemical.
4.4 Special fire fighting procedures : N.A.
4.5 Unusual fire and explosion hazards : N.A.

SECTION V - Reactivity Data

5.1 Stability : **Unstable:** **Stable:** X
5.2 Conditions to avoid (stability): Strong acids, water or moisture (relative humidity >50%) will cause the material to harden.
5.3 Incompatibility (materials to avoid): Strong acids, strong oxidizing agents.
5.4 Hazardous decomposition or byproducts: Oxides of zinc.
5.5 Hazardous polymerization **May occur:** **Will not occur:** X
5.6 Conditions to avoid (polymerization): Strong acids.

SECTION VI - Health Hazard Data

6.1 Route(s) of entry: **Inhalation?:** Yes **Skin?:** Yes **Ingestion?:** Yes
6.2 Health hazards (acute and chronic): Ingestion: may cause local irritation to soft tissue. Eyes: severe irritation caused by reaction of powder with water. May adhere to tissue. May dry the skin causing irritation.
6.3 Carcinogenicity **NTP?:** Not listed **IARC monographs?:** Not listed
OSHA regulated?: No
6.4 Signs and symptoms of exposure: Redness or irritation of eyes or skin.
6.5 Medical conditions generally aggravated by exposure: Open wounds or sores of the skin.
6.6 Emergency first aid procedures: Inhaled: get fresh air and call a physician. Eyes: Rinse with water for 15 mins then see a physician. Ingested: Rinse mouth, give plenty of water to drink, if necessary call a physician. Skin contact: flush with plenty of water.

SECTION VII - Precautions for safe handling and use

7.1 Steps to be taken in case material is released or spilled: Sweep up spilled powder.
7.2 Waste disposal methods: Dispose of in accordance with all applicable Federal, State and Local regulations.
7.3 Precautions to be taken in handling and storage: Store away from strong acids, foods and beverages.
7.4 Other precautions: Observe normal warehousing and handling procedures.

SECTION VIII - Control Measures

8.1 Respiratory protection : Local ventilation or approved nuisance dust mask, if in large quantities.
8.2 Ventilation : Local Exhaust
8.3 Protective Gloves : Rubber Gloves
8.4 Eye protection : Close fitting safety goggles
8.5 Other protective clothing or equipment: Rubber Apron
8.6 Work/Hygienic practices : Observe normal care when working with chemicals.