

145A

# MATERIAL SAFETY DATA SHEET

1.1 Product Trade Name: IRM'S-POWDER  
1.2 Part (Item) Number: 610003

## SECTION I

1.3 Division Name : Caulk/Dentistry  
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 : January, 12 1990

## SECTION II - Hazardous Ingredients/Identify Information

Hazardous Components	OSHA PEL :5 mg/m <sup>3</sup>	ACGIH TLV :10 mg/m	Other limits
Zinc Oxide	:	:	:
:	:	:	:
:	:	:	:
:	:	:	:
:	:	:	:
:	:	:	:

## 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: Whitish powder with faint odor.

## 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 : Water, carbon dioxide, dry chemical, halon - for the polymer.  
4.4 Special fire fighting procedures : Avoid extinguishing methods which may generate dust clouds. Water stream can disperse dust in air producing a fire hazard and possible explosion hazard if exposed to ignition source.  
4.5 Unusual fire and explosion hazards : Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust. Fire Fighters should wear self-contained breathing apparatus.

## SECTION V - Reactivity Data

5.1 Stability : Unstable: Stable: X  
5.2 Conditions to avoid (stability): Heat above 300°C.  
5.3 Incompatibility (materials to avoid): Strong oxidizing agents.  
5.4 Hazardous decomposition or byproducts: Oxides of zinc. From the polymer - methylmethacrylate and carbon monoxide.  
5.5 Hazardous polymerization : May occur: Will not occur: X  
5.6 Conditions to avoid (polymerization) : Heat above 300°C.

## SECTION VI - Health Hazard Data

6.1 Route(s) of entry: Inhalation? Yes Skin? No Ingestion? Possible  
6.2 Health hazards (acute and chronic): It is not known to cause significant health problems. It is considered an inert or nuisance dust. Avoid inhalation of dust. Keep dust out of eyes to prevent possible irritation. 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: Irritation of eyes or skin.  
6.5 Medical conditions generally aggravated by exposure: Open sores or wounds of the skin.  
6.6 Emergency first aid procedures: INHALATION: Remove to fresh air. Get medical help if discomfort persists. EYES: Flush with water for 15 minutes, including under eyelids. SKIN: Wash with soap and water. Ingestion: Rinse mouth with water. Call doctor if amount was large.

## SECTION VII - Precautions for safe handling and use

7.1 Steps to be taken in case material is released or spilled: As with any nuisance dust, avoid excessive dusting. Sweep up to avoid slipping hazard. Keep airborne particulate at a minimum when cleaning up spills.  
7.2 Waste disposal methods: Dispose of in accordance with all applicable Local, State and Federal Regulations.  
7.3 Precautions to be taken in handling and storage: Store in a cool dry place. Keep container closed to prevent water absorption and contamination.  
7.4 Other precautions: Observe normal warehousing procedures. Store away from foodstuffs and beverages.

## SECTION VIII - Control Measures

8.1 Respiratory protection : U.S. Bureau of Mines Approved Respirator  
8.2 Ventilation : Local exhaust Recommended  
8.3 Protective Gloves : Rubber Gloves  
8.4 Eye protection : Safety Glasses  
8.5 Other protective clothing or equipment: Rubber Apron  
8.6 Work/Hygiene practices : Observe normal care when working with chemicals.