

112-1005  
112-7223

**MATERIAL SAFETY DATA SHEET**  
**TELEDYNE GETZ/DENSCO**

IDENTITY: Key - To - Alginate (all bodies and sets)

Section I Item No.13110,13111,13112,13113,13123,13124,13125,13126

MANUFACTURER:Teledyne Getz/Densco Emergency Phone:(800)-424-9300  
1550 Greenleaf Ave. Info.Phone:(708)-593-3334  
Elk Grove Village,IL. Date Prepared: 06/01/90  
60007

Section II - Hazardous Ingredients/Identity Information

hazardous components	CAS NUM	OSHA PEL	ACGIH TLV	%
Potassium Fluotitanate	16919-27-0	2.5 mg/m3	same	<4.0%
		(as fluoride)		
Crystalline Silica	14464-46-1	1/2(10mq/M3)		<36.0%
		%SiO2 + 2		
Quartz	14808-60-7	" "		<0.02%

Section III - Physical/Chemical Characteristics

Boiling Point: NA Specific Gravity: 0.32  
Vapor Pressure: NA Melting Point: NA  
Vapor Density: NA Evaporation Rate: NA  
Solubility in Water: Insoluble (becomes solid)  
Appearance and Odor: Fine, white powder, mint odor

Section IV - Fire and Explosion Hazard Data

Flash Point: NA Flammable Limits:LEL NA UEL NA  
Extinguishing Media: Water, Carbon Dioxide, Dry Chemical  
Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

## Section V - Reactivity Data

Stability: unstable (conditions to avoid) Excessive heat and humidity can cause nonhazardous degradation.

stable X

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Compatibility: (materials to avoid) Strong Oxidizers  
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Hazardous Decomposition or Byproducts: None known  
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Hazardous may occur (conditions to avoid)

Polymerization:

will not occur X

## Section VI - Health Hazard Data

Route(s) of Entry: Inhalation Yes skin No Ingestion Yes  
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Health Hazards (acute & chronic) Acute exposure may cause severe gastric pain, tissue damage or death by fluoride poisoning. Chronic exposure may cause irritation of throat and nose with possible silicosis, osteosclerosis and mottling of tooth enamel.  
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Carcinogenicity: NTP (no) IARC (yes) OSHA (no)  
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Signs & Symptoms of Exposure: Transitory upper respiratory irritation due to inhalation of silica dust, acute exposure to fluoride by inhalation unlikely.  
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Medical Conditions Pre-existing upper respiratory and lung  
Aggravated by Exposure: disease such as, but not limited to  
bronchitis, emphysema and asthma. ----  
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Emergency First Aid Remove to fresh air, drink water to clear  
Procedures: throat and blow nose to evacuate dust for  
exposure by inhalation. For eye contact flush  
eyes with clear water for 15min. see physician  
if irritation or redness persists.

## Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:

Sweep up and put into closed containers. A light sweeping oil may be helpful to avoid the generation of dust.

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 Waste Disposal Method: Ordinary scavenger service for small quantities, as in compliance with federal, state and local statutes.

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 Precautions to be Taken for Handling and Storage: Avoid generation of dust keep covered when not in use.

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 Other Precautions: None  
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## Section VIII - Control Measures

Respiratory Protection (specify type)

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 Ventilation: Local Exhaust optional                      Special NA

                    Mechanical      optional                      Other      NA  
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Protective Gloves: optional                      Eye Protection: recommended

Protective Clothing or Equipment: optional

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 Work/Hygienic Practices: Handle so as to avoid generation of large amounts of dust.

KEYTOALL