

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

COMPANY NAME: Heraeus Kulzer, Inc.

ADDRESS: 4315 S. Lafayette | **Tel No:** (219) 291-0661
South Bend, Indiana 46614 | **Nights:** Chemtrec 1-800-424-9300

PRODUCT NAME: Denstone, Labstone, Tru-Stone, Die-Stone, Die-Keen, Milestone™, Indic Die Stone, Lab Plaster, Model Plaster, 0-67, Orthodontic Plaster, Mounting Stone, Statstone

PRODUCT NO(S): 45162 through 48682

Synonyms: Gypsum (Calcium Sulfate)

II. HAZARDOUS INGREDIENTS OF MIXTURES

MATERIAL:	CAS#	HAZARD	% By Wt.	TLV	PEL
Gypsum (Calcium Sulfate)	7778-18-9	Dust Nuisance	90-100	10 mg/M ³	15 mg/ M ³

III. PHYSICAL DATA (NA = Not Applicable)

Vapor Pressure, mm Hg: NA | **Vapor Density (Air =1):** NA
Evaporation Rate (ether = 1): NA | **% Volatile by Volume:** NA
Solubility in H₂O: Slight, 0.2% at 40°C | **pH:** NA
Boiling Point: NA | **Appearance:** Fine powder in various colors
Specific Gravity (H₂O = 1): 2.3 | **Odor:** Low Odor

IV. FIRE AND EXPLOSION

Flash Point: Not Applicable | **Flammable Limits:** Not Applicable

Extinguishing Media: Non-combustible materials

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None known

V. REACTIVITY DATA

Stability: Unstable [] | **Conditions to Avoid:** None
Stable [X]

Incompatibility (Materials to Avoid): Acids

Hazardous Decomposition Products: None

Hazardous Polymerization: May Occur [] | **Conditions to Avoid:** None
Will Not Occur [X]

MODERN MATERIALS DENTAL GYPSUM

VI. HEALTH HAZARDS

OSHA Permissible Exposure Limit: None

ACGIH Threshold Exposure Limit: None

Other Exposure Limit Used: None

A. Acute Overexposure: Eyes - Particles may cause irritation. Mixed material may develop enough heat to cause burns if large amount comes in contact with skin during hardening.

B. Chronic, Other: Prolonged exposure may cause lung disease.

Medical Conditions Aggravated by Exposure: Pre-existing upper respiratory and lung diseases such as, but not limited to, bronchitis, emphysema and asthma.

Primary Route(s) of Exposure: Inhalation, eyes, skin.

Hygienic Practices: Wear a mask while exposed to dust.

Chemical Listed As Carcinogen or Potential Carcinogen:

None of the chemicals is listed as a carcinogen or potential carcinogen by IARC.

VII. EMERGENCY AND FIRST AID PROCEDURES

Skin: Wash promptly with water. If irritation occurs, contact physician.

Ingestion: Product may harden on contact with water. May result in obstruction if ingested. See physician.

Eyes: Remove contact lenses. Rinse eyes with plenty of running water for 10-15 minutes, including under eyelids. If irritation occurs, contact physician.

Inhalation: Remove to fresh air.

VIII. SPILL OR LEAK PROCEDURES

Spill Management: Sweep or vacuum spilled material into a waste container for disposal. Avoid creating excessive dust.

Waste Disposal Methods: Dispose of in accordance with all local, state and federal regulations.

IX. PROTECTION INFORMATION / CONTROL MEASURES

Respiratory: Wear NIOSH-approved respirator as appropriate for nuisance dust, especially when dry grinding. Excessive particulate in the work place should be avoided. Wet grinders should be used.

Eye Protection: Yes

Gloves: Yes

Other Clothing and Equipment: None

Ventilation: Provide general ventilation and local exhaust to meet TLV requirements.

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X. SPECIAL PRECAUTIONS

Precautions to be taken in Handling and Storing: Be sure proper ventilation and respiratory and eye protection are used under dusting condition.

XI - ADDITIONAL INFORMATION

Die-Keen Green and Blue and Milestone Blue contain Chromium III Compound at 0.17-0.25%. This Chromium Compound as Chromium is considered to be toxic and subject to SARA Title III, Section 311, 312 and 313.

Revised: March 15, 1999

Supersedes MSDS dated: January 25, 1999

We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and the conditions of use of the product are not within the control of Heraeus Kulzer, Inc., it is the user's obligation to determine the conditions of safe use of the product.