Material Safety Data Sheet

MSDS No. M001

Date of Review: September 13, 2010
Supersedes MSDS dated: April 6, 2010

SECTION 1 - PRODUCT IDENTIFICATION

Product Name: Denstone, Labstone, Tru-Stone, Die-Stone, Die-Keen, Die-Keen Resin Reinforced, Lab Plaster, Model Plaster, 0-67, Orthodontic Plaster, Mounting Stone, Statstone

Synonyms: Gypsum (Calcium Sulfate)

Manufacturer: Heraeus Kulzer, LLC
300 Heraeus Way
South Bend, IN 46614-2517
Phone: 800-431-1785
FAX: 800-522-1545
Hours: 8:00 A.M. - 4:30 P.M.
After Hours: Chemtrec @ 1-800-424-9300

SECTION 2 - CHEMICAL COMPOSITION / HAZARDOUS INGREDIENTS

MATERIALS	CAS #	HAZARD	% WT.	OSHA PEL	ACGIH TLV
Gypsum (Calcium Sulfate)	7778-18-9	Dust Nuisance	90 - 100	15 mg/m^3	10 mg/m^3

SECTION 3 - HAZARDS IDENTIFICATION

*** POTENTIAL HEALTH EFFECTS ***

Target Organs: Eyes, Skin, Respiratory System
Signs and Symptoms of Short-Term (Acute) Exposure:
Eye: Particles may cause irritation. Mixed material may develop enough heat to cause burns if large amount comes in contact with skin during hardening.
Effects of Long-Term (Chronic) Exposure: Prolonged exposure may cause lung disease.
Medical Conditions Aggravated by Exposure: Pre-existing upper respiratory and lung diseases such as, but limited to, bronchitis, emphysema and asthma.
Hygienic Practices: Wear a mask while exposed to dust.
Carcinogenicity: IARC, NTP, and OSHA does not list any of the ingredients as a carcinogen.

SECTION 4 - FIRST AID MEASURES

Inhalation: Remove to fresh air.
Eye Contact: Remove contact lenses. Rinse eyes with plenty of running water for 10 - 15 minutes, including under eyelids. If irritation occurs, contact physician.
Skin Contact: 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.

SECTION 5 - FIRE-FIGHTING MEASURES

Fire Hazards/Conditions of Flammability: None Known
Flash Point (Method): Not Applicable
Lower Flammable Limit (% by volume): Not Applicable
Upper Flammable Limit (% by volume): Not Applicable
Suitable Extinguishing Media: Non-combustible materials
Special Fire-Fighting Procedures/Equipment: None Known

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Not Applicable
Environmental Precautions: Not Applicable
Spill/Leak Procedures: Sweep or vacuum spilled material into a waste container for disposal. Avoid creating excessive dust.

SECTION 7 - HANDLING AND STORAGE

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

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation and Engineering Controls: Provide general ventilation and local exhaust to meet TLV requirements.
Respiratory Protection: Wear NIOSH-approved respirator as appropriate for nuisance dust, especially when dry grinding. Excessive particulate in the workplace should be avoided. Wet grinders should be used.
Protective Gloves: Wear gloves to prevent prolonged or repeated skin contact.
Eye Protection: Wear protective eyeglasses or chemical safety goggles, per OSHA eye and face protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.
Other Protective Equipment: None Known
Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical Form, Color and Odor: Fine powder in various colors
Odor Threshold: Low odor
pH: Not Applicable
Boiling Point: Not Applicable
Melting/Freezing Point: Not Applicable
Vapor Pressure: Not Applicable
Solubility in Water: Slight, 0.2% at 40°C
Coefficient of Oil/Water Distribution: Not Applicable
Specific Gravity or Relative Density (water =1): 2.3
Vapor Density (air =1): Not Applicable
Volatile Organic Compounds (VOC's): Not Applicable
Evaporation Rate: Not Applicable

SECTION 10 - STABILITY AND REACTIVITY

Stability and Reactivity: Stable
Conditions to Avoid: None Known
Materials to Avoid: Acids
Hazardous Decomposition Products: None Known
Hazardous Polymerization: Will Not Occur

SECTION 11 - TOXICOLOGICAL INFORMATION

Routes of Exposure: No Data Available
Toxicological Data: No Data Available
Teratogenicity, Mutagenicity, Other Reproductive Effects: No Data Available
Sensitization to Material: No Data Available

SECTION 12 - ECOLOGICAL INFORMATION

General Notes: None Known

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal: Follow applicable Federal, State and Local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

Transportation of Dangerous Goods (TDG) Information: Not Applicable
Shipping Description:
49 CFR Information: Not Applicable
Shipping Description:
International Dangerous Goods Information: Not Applicable
IMO:
ICAO:
Other Information: Not Applicable

SECTION 15 - REGULATORY INFORMATION

WHMIS Information: Not Applicable
WHMIS Classification: Not Applicable
CEPA Information: Not Applicable
TSCA Information: Components of this product is listed on the TSCA inventory.
SARA Title III: Die-Keen Green and Blue and Milestone Blue contain Chromium III Compound which is subject of the reporting requirements of SARA Title III, Section 311, 312 and 313.

SECTION 16 - OTHER INFORMATION

Prepared By: Regulatory Department

Additional Notes or References:

ACGIH: American Conference of Governmental Industrial Hygienists
IARC: International Agency for Research on Cancer
NIOSH: National Institute for Occupational Safety and Health
WHMIS: Workplace Hazardous Materials Information System

Revision: Noted

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 these opinions 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.