

SAFETY DATA SHEETS

This SDS packet was issued with item:

074265427

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

074265419 074265435

MATERIAL SAFETY DATA SHEET

HYDROCK / HYDROCK RAPID STONE

Die Stone

1 - IDENTIFICATION

Manufacturer: KerrLab
Address: 1717 West Collins Avenue
City, State, Zip: Orange, CA 92867
Telephone: 1-800-KERR-123
24-Hour Emergency: Chemtrec 1-800-424-9300
International 1-703-527-3887
Date Prepared: September 6, 2005

2 - COMPOSITION INFORMATION

Hazardous Ingredients

	CAS #	PEL	TLV	%
Calcium Sulfate	7778-18-9	5mg/m ³	10mg/m ³	99
Hemihydrate		(Respirable fraction)	(Total dust)	
(Gypsum)				

3 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: N/A
Specific Gravity (H₂O = 1): N/D
Vapor Pressure (mm Hg): N/A
Melting Point: N/A
Vapor Density (AIR = 1): N/A
Solubility in Water: Slightly soluble
Reactivity in Water: N/A
Appearance and Odor: An odorless yellow, white or ivory powder

4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A
Flammable Limits: LEL: N/A **UEL:** N/A
Extinguishing Media: Not combustible
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: None

5 - REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Contact with acids
Incompatibility (Material to Avoid): Acids
Hazardous Decomposition Products: Above 1450 °C - sulfur dioxide and calcium oxide
Hazardous Polymerization: Will not occur

6 - HEALTH HAZARD DATA

Routes of Entry:
Skin: Particles may cause irritation.
Eyes: Particles may cause irritation.
Inhalation: Persons subjected to large amounts of this dust will be forced to leave area because of nuisance conditions: coughing, sneezing and nasal irritation from dust.
Ingestion: If ingested, may result in an obstruction.
Carcinogenicity - NTP: No
IARC Monographs: No **OSHA Regulated Carcinogen:** No

7 - EMERGENCY FIRST AID PROCEDURES

Skin: Wash skin with soap and water.
Eyes: Flush with water for 15 minutes to remove particles.
Inhalation: Remove to fresh air
Ingestion: None known

8 - PRECAUTIONS FOR SAFE HANDLING & USE

Steps to be taken in case material is released or spilled: Sweep or vacuum material from spillage into a waste container for disposal. Avoid dusting conditions.
Waste Disposal Method: This material can be disposed of as inert solid in a landfill or by other procedures in compliance with all federal, state and local regulations.
Precautions to be taken in handling and storing: Store in a cool, dry place with container sealed. Moisture or the presence of liquid water will harden the product during storage.

9 - CONTROL MEASURES

Respiratory Protection (Specify Type): When dusty conditions exist, wear an approved dust mask to guard against nuisance particles.
VENTILATION:
Local Exhaust: Provide general ventilation and local exhaust ventilation to meet TLV requirements.
Mechanical (General): Usually sufficient
Protective Gloves: Gloves are usually not necessary, but may be desirable in specific work situations.
Eye Protection: Goggles may be needed to avoid particulate irritation of the eye.
Other Protective Clothing or Equipment: None
Work/Hygiene Practices: Handle in accordance with good personal hygiene and safety practices. These practices include avoiding unnecessary exposure.

10 - TRANSPORTATION INFORMATION

Not DOT regulated.

11 - SPECIAL INFORMATION

HMIS (Hazardous Material Identification System) Rating:
H1 F0 R0
[HMIS Index: 4 - Severe Hazard; 3 - Serious Hazard;
2 - Moderate Hazard; 1 - Slight Hazard; 0 - Minimum Hazard]

This MSDS was prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and is to be used only for this product. The information contained in this sheet is, to the best of our knowledge, believed to be accurate.

SAFETY DATA SHEET

Section 1. Product And Company Identification

Product Name: Hydrock/Hydrock Rapid Stone - Die Stone (All colors)

Product Use: Dental product: Stone and plasters

Manufacturer: Kerr Corporation
1717 W. Collins Ave.
Orange, CA 92867-5422
U.S.A.

Information Phone Number: 1-800-841-1428 (Customer Service)

Chemical Emergency Phone Number (Chemical Spills, Leaks, Fire, Exposure or Accident only):
CHEMTREC 1-800-424-9300 (in the US) 1-703-527-3887 (Outside the US)

SDS Date of Preparation/Revision: January 23, 2019

Section 2. Hazards Identification

GHS Classification:
Carcinogenicity Category 1A

Label Elements:
Danger!



Hazard Phrases
May cause cancer.

Precautionary Phrases:
Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.
If exposed or concerned: Get medical attention.
Store locked up.
Dispose of contents and container in accordance with all local, regional, national and international regulations.

Section 3. Composition/Information on Ingredients

Component	CAS No.	Amount
Calcium sulfate	7778-18-9	60-100%
Plaster of Paris	26499-65-0	30-60%
Quartz	14808-60-7	0.1-1%

Section 4. First Aid Measures

Inhalation: Immediately remove victim to fresh air. If breathing is difficult, oxygen should be administered by qualified personnel. If breathing has stopped, administer artificial respiration. Get immediate medical attention.

Skin Contact: Flush thoroughly with water. Get medical attention if irritation or symptoms of exposure develop. Remove and launder contaminated clothing before re-use.

Eye Contact: Rinse thoroughly with water. Get medical attention if irritation occurs and persists.

Ingestion: Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious or convulsing person. Keep the victim calm and warm. Get immediate medical attention.

Most important symptoms and effects, acute and delayed: Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes, nose, throat and lungs.

Indication of immediate medical attention and special treatment, if needed: None required under normal conditions of use.

Section 5. Fire Fighting Measures

Suitable (and Unsuitable) Extinguishing Media: Use any media appropriate for the surrounding fire. Cool fire exposed containers with water.

Specific Hazards Arising from the Chemical: Combustion may produce sulfur oxides, metal oxides, calcium oxide.

Special Protective Equipment and Precautions for Fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored. Cool fire-exposed containers with water. Contain water used in firefighting from entering sewers or natural waterways.

Section 6: Accidental Release Measures

Personal precautions, Protective equipment, and Emergency procedures: Evacuate spill area and keep unprotected personnel away. Avoid contact with eyes, skin and clothing. Wear appropriate protective clothing and equipment.

Environmental Precautions: Avoid releases to the environment. Report spill as required by local and federal regulations.

Methods and Materials for Containment and Cleaning up: Prompt cleanup and removal are necessary. Move containers from spill area. For small spills, vacuum or sweep up material and place in a designated, labeled waste container. For large spills, approach release from upwind, avoid creating dusty conditions and prevent wind dispersal. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and Storage

Precautions for Safe Handling: Prevent contact with eyes, skin and clothing. Always wear impervious gloves, chemical safety goggles and protective clothing when handling this material. Wash thoroughly with soap and water after handling. Do not eat, drink or smoke in the work area. Remove and wash contaminated clothing before reuse.

Empty containers retain product residues which can be hazardous. Follow all SDS precautions when handling empty containers.

Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, dry, well-ventilated area away from direct sunlight. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

Section 8. Exposure Controls / Personal Protection

Exposure Limits

Chemical	Exposure Limit
Calcium sulfate	10 mg/m ³ TWA ACGIH TLV
Plaster of Paris	10 mg/m ³ TWA ACGIH TLV
Quartz	0.025 mg/m ³ TWA ACGIH TLV

Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

Respiratory Protection: None under normal use conditions with adequate ventilation. For operations where the occupational exposure limits are exceeded, an approved respirator with an organic vapor cartridge or supplied air respirator is recommended. Select in accordance with applicable regulations and good industrial hygiene practice.

Hand protection: Impervious gloves are suggested to prevent skin contact. Contact your glove supplier for selection assistance.

Eye Protection: Chemical safety goggles are recommended if contact is possible.

Skin Protection: Wear protective clothing as needed to avoid skin contact and contamination of personal clothing.

Hygiene measures: Suitable eye and skin washing facilities should be available in the work area.

Section 9. Physical and Chemical Properties

Appearance:	Powder of yellow, white, ivory (various colors)	Odor:	Odorless
Odor Threshold:	Not available	pH:	Not available
Melting/Freezing Point:	Not available	Boiling Point/Range:	Not available
Flash Point:	Not available	Evaporation	Not available

Flammability: (Solid, Gas)	Not applicable	Rate:	
Vapor Pressure:	Not available	Flammability Limits:	LEL: Not applicable UEL: Not applicable
Relative Density:	Not available	Vapor Density:	Not available
Partition Coefficient: (N-Octanol/Water)	Not available	Solubilities:	Slightly soluble in water
Decomposition Temperature:	Not available	Autoignition Temperature:	Not available
		Viscosity:	Not available

Section 10. Stability and Reactivity

Reactivity: The product is not expected to be reactive.
Chemical Stability: Stable under normal storage and handling conditions.
Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
Conditions to avoid: No specific data.
Incompatible Materials: Acids.
Hazardous decomposition products: None if stored normally.

Section 11. Toxicological Information

Potential Health Effects:

Inhalation: Inhalation may cause irritation of the nose, throat and lungs.

Skin Contact: No known significant effects or critical hazards.

Eye Contact: May cause eye irritation.

Ingestion: No known significant effects or critical hazards.

Chronic Hazards: None known.

Skin Sensitization: No adverse effects expected. Components are not sensitizers.

Respiratory Sensitization: No data available. This product is not expected to cause respiratory sensitization.

Germ Cell Mutagenicity: None of the components have shown mutagenic activity in animal studies.

Carcinogen:

Quartz is listed as "Carcinogenic to Humans" (Group 1) by IARC, "Suspected Human Carcinogen" (Group A2) by ACGIH, and "Known to be a Human Carcinogen" by NTP. None of the other components are listed as a carcinogen or potential carcinogen by IARC, NTP or the EU CLP.

Developmental / Reproductive Toxicity: None of the components have been shown to cause reproductive or developmental toxicity.



Specific Target Organ Toxicity (Single Exposure): No data available.

Specific Target Organ Toxicity (Repeated Exposure): Repeated exposure to quartz may cause effects on the lungs.

Aspiration Toxicity: Not an aspiration hazard.

Acute Toxicity Values:

Calcium sulfate: LC50 Inhalation rat: 3.26mg/L/4hr; LD5 Oral rat: 1,581 mg/kg

Plaster of Paris: LD50 Oral rat: >5000 mg/kg

Section 12. Ecological Information

Toxicity:

Calcium sulfate: 96 hr LC50 Lepomis macrochirus 2,980 mg/L;

96 hr EC50 Navicula seminulum 3,200 mg/L; 48 hr LC50 Ceriodaphnia dubia > 1,910 mg/L

Persistence and degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other Adverse Effects: No data available.

Section 13. Disposal Considerations

Disposal: For unused product, dispose of in accordance with Federal and local regulations.

Container Disposal: Dispose of empty container in accordance with Federal and local regulations.

Section 14. Transport Information

	UN Number	UN Proper Shipping Name	Hazard Class(s)	Packing Group	Environmental Hazards
US DOT	None	Not Regulated			None
EU ADR/RID	None	Not Regulated			None
IMDG	None	Not Regulated			None
IATA/ICAO	None	Not Regulated			None

Special Precautions for User: None identified.

Transport in Bulk According to Annex II MARPOL 73/78 and the IBC Code: Not applicable – product is transported only in packaged form.

Section 15. Regulatory Information

U.S. Federal Regulations:

EPA SARA 311/312 Hazard Classification: Refer to Section 2 for OSHA Hazard Classification.



EPA SARA 313: This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

Protection Of Stratospheric Ozone: This product is not known to contain or to have been manufactured with ozone depleting substances as defined in 40 CFR Part 82, Appendix A to Subpart A.

CERCLA SECTION 103: This product is not subject to CERCLA reporting requirements; however, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

International Inventories

US EPA TSCA Inventory: All of the components of this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory or exempt.

Canada CEPA: All of the components of this material are listed on the DSL or exempt.

Section 16. Other Information

Effective Date: January 23, 2019

Supersedes Date: June 23, 2015

Revision Summary: All Sections – New SDS format

The information and recommendations set forth herein are taken from sources believed to be accurate as of the date of preparation, however, KERR Corporation makes no warranty with respect to the accuracy or suitability of the recommendations, and assumes no liability to any use thereof.