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MATERIAL SAFETY DATA SHEET  
PRODUCT: SAKRETE SAND MIX

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SECTION I - PRODUCT IDENTIFICATION

TRADE NAME: **SAKRETE SAND MIX**  
 CHEMICAL FAMILY/SYNONYMS: Portland Cement Mortar, lime, silica  
 MANUFACTURER: W. R. BONSAI COMPANY, P.O. BOX 241148, CHARLOTTE, N. C. 28224  
 EMERGENCY PHONE: (704) 525-1621 Mr. Fred Goeman

SECTION II - HAZARDOUS INGREDIENTS

DESCRIPTION	CAS #	PERCENT	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE (MM HG)
			TLV	PEL	
PORTLAND CEMENT	65997-15-1	15-25	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>	N/A
SAND (QUARTZ)	14808-60-7	85-75	0.1 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>	N/A
* Varies depending on product					
SILICA: AMORPHOUS	7631-86-9	0-5	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>	

Determined by airborne samples

SECTION III - PHYSICAL DATA

BOILING POINT (°F)	<u>N/A</u>	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	<u>2.62</u>
VAPOR PRESSURE (mmHg.)	<u>N/A</u>	% VOLATILE BY VOLUME (%)	<u>0</u>
VAPOR DENSITY (AIR=1)	<u>N/A</u>	EVAPORATION RATE	<u>N/A</u>
SOLUBILITY IN WATER: Slight (0.1-1.0%)			

APPEARANCE & ODOR: Fine, grey powder mixed with sand and/or rock, no odor.

SECTION IV - FIRE & EXPLOSION HAZARD DATA

FLASH POINT: Will not ignite FLAMMABLE LIMITS N/A

EXTINGUISHING MEDIA: None

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARD : None

Prepared By:  
*Friedrich Goeman*  
 Friedrich Goeman

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SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Respirable Dust - PEL 0.1 mg/m<sup>3</sup>

EFFECTS OF OVEREXPOSURE: Excess exposure by inhalation over an extended period of time may result in the development of pulmonary diseases including pneumoconiosis and silicosis. Prolonged contact can produce skin irritation and dermatitis. Abrasive, skin and eye irritant.

EMERGENCY FIRST AID: Inhalation: remove from exposure. If not breathing, give artificial respiration, if breathing difficult, give oxygen, consult a physician. Eye Contact: flush thoroughly with water for 15 minutes. Consult a physician. Skin Contact: wash thoroughly with soap and water.

SECTION VI - REACTIVITY DATA

STABILITY: UNSTABLE \_\_\_\_\_ STABLE X  
CONDITIONS TO AVOID: N/A

INCOMPATIBILITY (MATERIALS TO AVOID): Highly alkaline. Strong acids may cause violent, exothermic reaction, evolve toxic gases/vapors, depending on type acid.

HAZARDOUS DECOMPOSITION PRODUCTS: N/A  
HAZARDOUS POLYMERIZATION: MAY OCCUR \_\_\_\_\_ WILL NOT OCCUR X  
CONDITIONS TO AVOID: N/A

SECTION VII - SPILL OR LEAK PROCEDURES

IN CASE MATERIAL IS RELEASED OR SPILLED: Use personal protective equipment to prevent dust exposures and protect against alkali burns or irritation. Sec. WASTE DISPOSAL METHOD: Dispose of in accordance with Federal, State and local regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (TYPE): NIOSH/MSHA approved for protection against silica and nuisance dusts.

VENTILATION:

Local Exhaust: Yes

Special:

Mechanical:

Other:

PROTECTIVE GLOVES: Rubber, PVC, Neoprene EYE PROTECTION: Goggles

OTHER PROTECTIVE EQUIPMENT: Rubber boots, arm sleeves and aprons when necessary to prevent skin contact.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS IN HANDLING AND STORING: Store in manner to prevent contact with strong acids. Avoid contact with water to preserve product.

OTHER PRECAUTIONS: None