



Biochemical Diagnostics, Inc.

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MATERIAL SAFETY DATA SHEET

GENERAL INFORMATION

TRADE NAME: VMA Columns

Catalog Number: 3507135-1, 3507137-7
(Part of Kit 3507000-1) (Part of Kit 3507020-6)

Chemical Name: N/A

CAS #: 632 31-67-4

Formula: $SiO_2 \times H_2O$

INGREDIENTS

Components: Silica Gel

Threshold Limit Values: N/A

PHYSICAL DATA

Boiling Point: N/A

Vapor Pressure: N/A

Vapor Density: N/A

Specific Gravity: 2.100

Percent Volatile: N/A

Evaporation Rate: N/A

Solubility H₂O: Insoluble

pH: N/A

Appearance: White amorphous powder

Odor: Odorless

FIRE AND EXPLOSION HAZARD DATA

Flammable Limits in air % by volume:

Lel: N/A

Uel: N/A

Flash Point: N/A

Auto Ignition Temp: N/A

Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Special Fire Fighting Procedures: Use protective clothing and breathing equipment appropriate for surrounding fire.

Unusual Fire and Explosion Hazards: None

REACTIVITY DATA

Stability: Stable

Conditions to Avoid: N/A

Incompatibility: Hydrogen fluoride, xenon hexafluoride, oxygen difluoride, & chlorine trifluoride. Substance can explode when wet and heated with magnesium.

Hazardous Polymerization: Will not occur

Hazardous Decomposition: No information found.

ENVIRONMENTAL PROTECTION PROCEDURES

Spill Response: Ventilate area of spill, may require respiratory protection from dust.

Waste Disposal Method: Deliver to approved waste disposal facility. Ensure compliance with state, local and federal regulations.

SPECIAL PROTECTION INFORMATION

Eye Protection: Use chemical safety glasses

Skin Protection: Wear protective gloves and clean body covering clothing.

Respiratory Protection: None needed under normal use. A dust/mist respirator may be worn.

Ventilation: Use adequate ventilation.

SPECIAL PRECAUTIONS

Insert Precautions: Store in cool dry place.

Contaminated Equipment Precautions: Wash thoroughly with soap and water.

Hygienic Handling and Storage: Wash thoroughly with soap and water.

EMERGENCY AND FIRST AID PROCEDURES:

Ingestion: If powder in columns is ingested give several glasses of H₂O to dilute. If large amount swallowed seek medical attention.

Inhalation: Avoid prolonged or repeated inhalation of dust. May cause dryness and irritation of mucous membrane. Symptoms may include coughing, sore throat, diarrhea, wheezing and non-specific chest illness.

Skin Contact: Wash thoroughly with soap and water.

Eye Contact: No adverse effects expected but dust may cause mechanical irritation. Rinse eyes with running water for at least 15 minutes.

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