Material Safety Data Sheet

Section 1: PRODUCT AND COMPANY IDENTIFICATION

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1-800-682-2666
Or Contact Your Local
Poison Control Center

Product Number: 280133
Product Name: NucliSens easyMAG Magnetic Silica
Product Description: Reagent for the extraction of total nucleic acid from biological specimens.

Section 2: COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Component	Percentage	Exposure Limits
14808-60-7	Quartz, magnetic (Silica)	40%	10 mg/m3/%SiO2+2 PEL 0.025 mg/m3 TLV-TWA (respirable dust)

PEL=OSHA Permissible Exposure Limit. TLV= ACGIH Threshold Limit Value. TWA=time weighted average.

Section 3: HAZARDS IDENTIFICATION

U.S. PRECAUTIONARY LABELING

CAUTION

May cause mild eye and skin irritation. Inhalation of respirable crystalline silica (quartz) may cause lung disease and cancer. Do not get in eyes, on skin or clothing. Keep containers closed. Wash thoroughly after handling.

INTERNATIONAL LABELING

May cause irritation, avoid contact with the eyes and skin.

EU Classification: None
R and S Phrases: None

HEALTH HAZARDS:
Inhalation: Inhalation of dusts or mists may cause respiratory irritation.
Skin Contact: Contact may cause mild irritation. Nucleic acid extraction materials may contain infectious materials.
Eye Contact: Contact may cause mild irritation.
Ingestion: Not expected to be acutely toxic. Nucleic acid extraction materials may contain infectious materials.
Chronic Health Hazards: Chronic inhalation of crystalline silica (quartz) dust may cause lung damage and cause lung cancer.
Carcinogen Status: Respirable crystalline silica (quartz) is listed as a known human carcinogen by IARC (Group 1) and NTP. None of the other components of this product are listed as a carcinogen or suspected carcinogen by IARC, NTP or OSHA.
Medical Conditions Aggravated by Exposure: Pre-existing skin, lung, liver and kidney conditions.

Section 4: FIRST AID MEASURES

Inhalation: Immediately remove the victim to fresh air. Get medical attention if symptoms persist.
Skin Contact: Wash thoroughly with soap and water. Get medical attention if irritation develops. Nucleic acid extraction materials may contain infectious materials. If skin is broken, or material enters an open wound, seek medical attention.
Eye Contact: Immediately flush eyes with large amounts of water while holding the eyelids open to assure that the entire surface is flushed. Get prompt medical attention if irritation persists.

Ingestion: Never give anything by mouth to an unconscious or convulsing person. If conscious, rinse mouth with water and get prompt medical attention.

Section 5: FIRE FIGHTING MEASURES

Flash Point (Method Used): None
Autoignition Temp: None
Flammable Limits: **LEL:** N/A **UEL:** N/A
Extinguishing Media: Use any media appropriate for the surrounding fire.
Special Fire Fighting Procedures: Firefighters should wear self-contained breathing apparatus and full protective clothing.
Unusual Fire and Explosion Hazards: None.
Hazardous Combustion Products: Oxides of nitrogen and sulfur.

Section 6: ACCIDENTAL RELEASE MEASURES

Wear protective equipment as described in Section 8, including gloves and suitable eye protection. Wipe up spill with a paper towel or other absorbent material and place in a container for disposal. Used product - Wash spill area with a detergent solution then disinfect the surface with a 1% (w/v) sodium hypochlorite (bleach) solution or an equivalent disinfectant.

Section 7: HANDLING AND STORAGE

Follow good laboratory practices of avoiding contact (breathing, touching, smoking ...) with a laboratory reagent. Avoid contact with the skin and eyes. Wash thoroughly with soap and water after handling. Do not eat, drink or smoke in the use area. Avoid breathing vapors, mists or dusts.
Use disposable gloves and handle specimens and materials that contact specimens as if potentially infectious in accordance with "Universal Precautions for Prevention of Transmission of Human Immunodeficiency Virus, Hepatitis B Virus, and Bloodborne Pathogens in Health-Care Setting" (CDC, MMMWR, June 24, 1988).

Store in a tightly closed container. Store away from incompatible materials at temperature indicated in the package insert.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: General laboratory ventilation should be adequate.
Respiratory Protection: None should be needed.
Gloves: Impervious gloves should be worn.
Eye Protection: Standard laboratory safety goggles.
Other Protective Equipment/Clothing: Protective clothing if required to prevent skin contact.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: White slurry.
pH: Not available
Vapor Pressure: N/A
Boiling Point (F): N/D
Melting Point (F): N/D

Vapor Density: N/A
Evaporation Rate: N/D
Water Solubility: Complete

Percent Volatile: N/D
Specific Gravity: N/D
Coefficient of Oil/Water: N/D

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Avoid excessive heat and light.
Incompatibility: None known

Hazardous Decomposition Products: None known
Hazardous Polymerization: Will not occur.

Section 11: TOXICOLOGICAL INFORMATION

Crystalline silica (quartz): No data available

Section 12: ECOLOGICAL INFORMATION

The ecological effects of this material have not been determined.

Section 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of product in accordance with all local, state/provincial and federal regulations.
Container Disposal: Empty containers should be collected for proper disposal.

Section 14: TRANSPORT INFORMATION

U.S. DOT HAZARD CLASSIFICATION

Proper Shipping Name: Not regulated
Technical Name:
UN Number: N/A
Hazard Class/Packing Group: N/A
Labels Required: None
DOT Packaging Requirements: N/A
Exceptions: N/A

IATA/ICAO AIR TRANSPORTATION

Proper Shipping Name: Not regulated
Technical Name:
UN Number: N/A
Hazard Class/Packing Group: N/A
Labels Required: None
IATA Packaging Requirements: N/A
Comment:

Section 15: REGULATORY INFORMATION

SARA 311/312: Hazard Categories for SARA 311/312 Reporting: Chronic health

SARA 313: This Product contains the following chemicals subject to Annual Release Reporting Requirements under SARA Section 313 (40 CFR372):

None

CERCLA Section 103 Reportable Quantity: N/A

California Proposition 65:

This product contains the following substances known to the State of California to cause cancer and/or reproductive harm:
Crystalline silica, quartz (cancer)

Canadian WHMIS Classification: Class D-2-A

Section 16: OTHER INFORMATION

NFPA Hazard Rating: Health: 1 Fire: 0 Reactivity: 0

Revision Summary: Section 2: Quartz Exposure Limit, Section 15: Change in disposal recommendation.

PREVIOUS REVISION DATE: 6/28/2005 CURRENT REVISION DATE: 4/18/2006

The above information is believed to be correct as of the date of this sheet but does not purport to be all inclusive and shall be used only as a guide. Since the use of this information and the conditions of use of the product are not within the control of bioMérieux S.A. nor bioMérieux, Inc., it is the users obligation to assure safe use of this product.