



# HAMMILL & GILLESPIE, INC.

ESTABLISHED 1848

## Importers, Exporters & Manufacturers

154 S. LIVINGSTON AVE., P.O. BOX 104, LIVINGSTON, NJ 07039 U.S.A.  
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NON-METALLIC  
MINERAL PRODUCTS  
AND  
CHEMICALS

NATURAL, PROCESSED  
AND SYNTHETIC

### MATERIAL SAFETY DATA SHEET

To comply with OSHA'S Hazard Communication Standard, 29 CFR 1910.1200

#### SECTION I. IDENTITY OF PRODUCT AND IMPORTER OR PRODUCER

Trade Name: **BLACKBIRD CLAY** As Marked on Bag: Blackbird (BARNARD)  
Chemical Name: Hydrous Aluminum Silicate Clay  
CAS Number: 1332-58-7

Importer/Producer Name and Address: Telephone Number:  
HAMMILL & GILLESPIE, INC. For Emergency and Information  
P.O. BOX 104 201/994/3650  
LIVINGSTON, NJ 07039 Date Prepared: 1/31/91  
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#### SECTION II. HAZARDOUS INGREDIENTS & OCCUPATIONAL EXPOSURE LIMITS

QUARTZ (Respirable) < 24% by dry weight  
CAS # 14808-60-7, Much is not fine enough to be normally respirable

##### OSHA PEL's

8-hr TWA: 0.39 mg/m<sup>3</sup> (Total Respirable Dust)  
8-hr TWA: 1.15 mg/m<sup>3</sup> (Total Airborne Dust)

##### ACGIH TLV, 1989-90

TLV-TWA = 0.1 mg/m<sup>3</sup> (Respirable Dust)

#### SECTION III. PHYSICAL DATA

Physical State: Solid  
Fusion Range: 1160-1175°C Specific Gravity: 2.6  
Solubility in Water: Slightly Soluble % Volatile (Below 100°C): None  
Vapor Pressure: Not Applicable  
Odor and Appearance: Brown powder, earthy odor

#### SECTION IV. FIRE AND EXPLOSION HAZARD DATA

Non-flammable and Non-Explosive

#### SECTION V. REACTIVITY DATA

Stability: Chemically Stable  
Incompatibility (Materials to Avoid): None Known  
Hazardous Polymerization: Will Not occur  
Reactivity, and under what conditions: None Known

## SECTION VI. HEALTH HAZARD DATA

OCCUPATIONAL EXPOSURE LIMITS: See Section II

CARCINOGENICITY: Quartz has not been classified as a carcinogen by NTP or OSHA. IARC has indicated that "there is limited evidence for the carcinogenicity of crystalline silica to humans."

### SUMMARY OF RISKS:

Short-term: Exposure to crystalline or amorphous quartz may lead to dryness of skin and mucous membranes.

Long-term: Prolonged exposure to respirable quartz may cause silicosis.

### FIRST AID:

Eyes: Flush thoroughly with water. Ingestion: No known hazard.

Skin: Wash off with soap and water.

Inhalation: Remove exposed person to fresh air and support breathing as required.

NOTE: For all cases above, consult physician if conditions persist.

## SECTION VII. SPILL, LEAK AND DISPOSAL INFORMATION

Action to be taken in case material is released or spilled:

Clean up and collect, minimizing excessive dust. Use a dustless system, such as wet sweeping or a vacuum, to maintain airborne dust levels below the Permissible Exposure Limits (See Section II)

Waste disposal method:

Any approved solid waste disposal, including burial. Comply with Federal, State and local regulations.

## SECTION VIII. SPECIAL PROTECTION INFORMATION

Respiratory Protection: If dust concentrations exceed recommended Permissible Exposure Limits, use NIOSH approved dust respirators. If spraying coatings use NIOSH approved dust/mist respirators.

Ventilation: Local exhaust or other ventilation that will reduce dust concentrations to less than Permissible Exposure Limits is recommended. Use adequate ventilation if spraying coatings.

Eye Protection: Wear tight fitting goggles if high dust concentrations exist.

Other Protective Equipment: None required

Other Comments: Impervious gloves or clothing may be worn to minimize skin irritation. Never eat, drink, smoke or wear contact lenses in work areas.

## SECTION IX. SPECIAL PRECAUTIONS

Minimize dust generation and exposure. Do not breathe dust.