



# **HAMMILL & GILLESPIE, INC.**

ESTABLISHED 1848

## **Importers, Exporters & Manufacturers**

154 S. LIVINGSTON AVE, P.O. BOX 104, LIVINGSTON, NJ 07039 U.S.A.  
TELEPHONE: (201) 994-3650 TELEX: 139114 (HAMGIL LVON)

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: SPANISH RED IRON OXIDE  
Chemical Name: Hematite  
CAS Number: 1317-60-8

As Marked on Bag: Superfine  
Red Oxide

Producer Name and Address:  
PROMINDSA PRODUCTOS MINERALES  
PARA LA INDUSTRIA S.A.  
P.O. BOX 1128  
48080 BILBOA, SPAIN

Importer/Distributor Name and Address:  
HAMMILL & GILLESPIE, INC.  
P.O. BOX 104  
LIVINGSTON, NJ 07039

Telephone Number:  
For Emergency and Information  
201/994/3650  
Date Prepared: 8/27/91  
Supersedes: 2/25/91

#### **SECTION II. HAZARDOUS INGREDIENTS & OCCUPATIONAL EXPOSURE LIMITS**

QUARTZ < 5% by dry weight

CAS # 14808-60-7, Much is not fine enough to be normally respirable

**OSHA PEL's**

8-hr TWA: 1.42 mg/m<sup>3</sup> (Total Respirable Dust)

8-hr TWA: 4.28 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: > 1500°C

Specific Gravity: 4.26

Solubility in Water: Slightly Soluble % Volatile (Below 100°C): None

Vapor Pressure: Not Applicable

Odor and Appearance: Red powder, odorless

#### **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

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## SECTION VI. HEALTH HAZARD DATA

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OCCUPATIONAL EXPOSURE LIMITS: See Section II

CARCINOGENICITY: Hematite has been identified as non classifiable as a carcinogen by IARC due to inadequate human and animal evidence. 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.

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## SECTION VII. SPILL, LEAK AND DISPOSAL INFORMATION

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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.

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## SECTION VIII. SPECIAL PROTECTION INFORMATION

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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.

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## SECTION IX. SPECIAL PRECAUTIONS

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Minimize dust generation and exposure. Do not breathe dust.