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**HOEGANAES**  
An Inland Company

River Road and Taylors Lane  
Riverton, NJ 08077  
609/829-2220

# MATERIAL SAFETY DATA SHEET

**HOEGANAES CORPORATION**

River Road & Taylor's Lane, Riverton, NJ 08077  
(609) 829-2220

S6119  
41036

**SECTION 1 - IDENTITY:** ANCOR & ANCORSTEEL IRON POWDERS (See attached product list.)

MSDS No.: 01  
DATE OF PREPARATION: 11-25-85  
DATE OF REVISION: 10-06-93

## **SECTION 2 - HAZARDOUS INGREDIENTS**

MATERIAL (CAS REGISTRY NO.)

PERCENTAGE

OSHA PEL (TWA)

IRON (7439-89-6)

98 - 99+

10 mg/m<sup>3</sup>, total particulate.

## **SECTION 3 - PHYSICAL/CHEMICAL DATA** OF IRON

Melting Point (Degrees Fahrenheit): 2795      Specific Gravity: 7.5 gm/m<sup>3</sup>  
Appearance: Light to dark gray color. Fine powder. No odor.

## **SECTION 4 - FIRE/EXPLOSION HAZARD DATA**

Iron is not considered flammable under most conditions. Avoid airborne dispersion of any finely divided powder in an enclosed industrial area to reduce potential for dust ignition. Extinguishing media: Dry chemical, sand, graphite to smother fire. Use water only in mist/fog application to avoid spreading powder/accumulated dust in surrounding areas.

## **SECTION 5 - REACTIVITY DATA**

Stability: Normally stable.      Conditions to Avoid: Generation of airborne dust.  
Incompatibility (Materials to avoid): Pure oxygen or other strong oxidizers.  
Hazardous Decomposition Products: None      Hazardous Polymerization: Will not occur.

## **SECTION 6 - HEALTH HAZARD DATA**

This material is not considered to be carcinogenic by IARC, NTP or OSHA.

**INHALATION:** Prolonged overexposure to iron dusts may cause a chronic health condition of siderosis which is a benign pneumoconiosis with few or no symptoms.

**SKIN:** Exposure may cause mild irritation. Wash with soap and water. Seek medical attention if irritation persists.

**EYES:** Flush thoroughly with water for at least 15 minutes to avoid abrasive damage to outer surfaces of eye. Seek medical attention if irritation persists.

**INGESTION:** Unlikely. Low oral toxicity. No acute or chronic health effects known.

## **SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE**

Keep in closed containers. Do not store near strong oxidizers. Use good housekeeping practices to prevent accumulation of dust. In the event of a spill, recommend use of a vacuum with a HEPA filter; use dust suppressant when sweeping. Dispose of in accordance with federal, state and local regulations.

## **SECTION 8 - CONTROL MEASURES**

**RESPIRATORY PROTECTION:** Use adequate ventilation to maintain airborne particulate levels below the recommended exposure limits. Use NIOSH-approved respirators in accordance with 29 CFR 1910.134 where levels exceed exposure limits.

**SKIN PROTECTION:** Use of a barrier cream and/or gloves by employees with skin sensitivity to this material is recommended.

**EYE PROTECTION:** Wear safety glasses or goggles when handling this material to prevent eye contact. Do not wear contact lenses in any environment where dust or fumes are present. Readily available eye baths are recommended in areas where operations may produce dusts.

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