Safety Data Sheet (SDS / MSDS)

Hot Briquetted Iron (HBI) · CAS 65996-67-0 · Metallisation 91%

SAFETY DATA SHEET (DRAFT) - Hot Briquetted Iron (HBI)

1. IDENTIFICATION

Product Name: Hot Briquetted Iron (HBI)
Synonyms: Direct Reduced Iron (Briquetted), Pellets (Briquetted)
Manufacturer: Moonarc FZCO
CAS No: 65996-67-0

2. HAZARDS IDENTIFICATION

Classification: Not a hazardous substance according to GHS.
Maritime Safety: IMSBC Code: Direct Reduced Iron (A), Briquettes, hot-molded.
Physical Hazards: May evolve hydrogen in contact with water (minimal compared to DRI). Contact with acids releases flammable hydrogen gas.

3. COMPOSITION

- Total Iron (Fe): 90-94%
- Metallic Iron (Fe0): 82-86%
- Carbon: 1.0-2.5%
- Gangue (SiO2, Al2O3, etc.): Balance

4. FIRST AID

- Inhalation: Remove to fresh air. Iron dust may cause mechanical irritation.
- Skin Contact: Wash with soap and water.
- Eye Contact: Flush with water for 15 minutes. Seek medical attention if irritation persists.

5. FIRE-FIGHTING MEASURES

- Extinguishing Media: Use dry sand or specialized D-type fire extinguishers for metal fires. Do not use water on large accumulations of hot HBI.
- Special Risks: Material may generate heat if wetted over long periods in stagnant conditions.

6. ACCIDENTAL RELEASE

- Sweep up and collect. Avoid generating excessive dust. HBI is non-toxic to the environment.

Disclaimer: This SDS is a draft for informational purposes. Users must consult local regulations and the final product SDS.

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Contact The Moonarc Group

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