

# SAFETY DATS SHEET

## Steel Products

### 1. Product Identification

- **Product Name:** Steel Products (Boring Bar, Adapter and Carrier body, etc.)
- **Company Name:** Ceratizit India Pvt Ltd 16J, Attibele Industrial Area, Anekal Taluk \ Bengaluru 562107 \ India Tel.: +91 80 67728 000

### 2. Composition/Information on Ingredients

- **Main Components:** Iron (Fe), Carbon (C), Manganese (Mn), Chromium (Cr), Nickel (Ni), Molybdenum (Mo)
- **CAS Numbers:** Iron (7439-89-6), Carbon (7440-44-0), Manganese (7439-96-5), Chromium (7440-47-3), Nickel (7440-02-0), Molybdenum (7439-98-7)

### 3. Hazards Identification

- **Emergency Overview:** Steel products in their solid state are not hazardous. However, operations such as welding, cutting, or grinding may produce fumes or dust that can be hazardous.
- **Potential Health Effects:**
  - **Inhalation:** Inhalation of metal fumes or dust can cause respiratory irritation.
  - **Skin Contact:** Prolonged contact with dust or metal particles may cause skin irritation.
  - **Eye Contact:** Metal particles can cause eye irritation or injury.

### 4. First Aid Measures

- **Inhalation:** Move to fresh air. If breathing is difficult, seek medical attention.
- **Skin Contact:** Wash with soap and water. Seek medical attention if irritation persists.
- **Eye Contact:** Rinse thoroughly with water. Seek medical attention if irritation persists.
- **Ingestion:** Not applicable for solid steel products.

### 5. Fire Fighting Measures

- **Flammability:** Non-flammable in solid form. Fine metal particles may be flammable.
- **Extinguishing Media:** Use appropriate extinguishing media for surrounding fire.
- **Special Fire Fighting Procedures:** Use self-contained breathing apparatus if necessary.

### 6. Accidental Release Measures

- **Personal Precautions:** Wear appropriate protective equipment.
- **Environmental Precautions:** Prevent entry into waterways.
- **Cleanup Methods:** Collect material for recycling or disposal.

### 7. Handling and Storage

- **Handling:** Use appropriate lifting techniques. Avoid generating dust.
- **Storage:** Store in a dry place. Protect from moisture.

## 8. Exposure Controls/Personal Protection

- **Engineering Controls:** Use local exhaust ventilation when cutting or welding.
- **Personal Protective Equipment (PPE):**
  - **Respiratory Protection:** Use appropriate respirators if exposure limits are exceeded.
  - **Skin Protection:** Wear gloves and protective clothing.
  - **Eye Protection:** Use safety glasses or face shields.

## 9. Physical and Chemical Properties

- **Appearance:** Solid, metallic
- **Melting Point:** 1450-1520°C
- **Density:** Approximately 7.85 g/cm<sup>3</sup>

## 10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
- **Incompatibility:** Strong acids and bases.
- **Hazardous Decomposition Products:** Metal fumes and oxides.

## 11. Toxicological Information

- **Acute Toxicity:** Not applicable for solid steel products.
- **Chronic Toxicity:** Prolonged exposure to metal fumes or dust may cause respiratory issues.

## 12. Ecological Information

- **Environmental Impact:** Not expected to be harmful to the environment in solid form.

## 13. Disposal Considerations

- **Waste Disposal:** Recycle or dispose of in accordance with local regulations.

## 14. Transport Information

- **UN Number:** Not applicable
- **Transport Hazard Class:** Not regulated

## 15. Regulatory Information

- **Regulatory Status:** Complies with applicable regulations.

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