

## MATERIAL SAFETY DATA SHEET

emalloy co. inc.

**CHEMICAL NAME:** 

Nickel

P.O. BOX 350

Nickel Powder & (Carbonyl Grade), COMMON/TRADE NAME: Nickel Cathode, Shot, Granules &

**BRYN MAWR, PA 19010-0350** 

DATE:

Briquettes; Ferro Nickel Shot

Fax No.:

**Telephone:** (610) 527-3700 (610) 527-3878 SUPERSEDES:

June 1, 2010 June 1, 2007

SECTION I — HAZARDOUS INGREDIENTS

**Hazardous** Components (Specific Chemical Identity)

CAS #

OSHA PEL

ACGIH TLV

Nickel\*

7440-02-0

1mg/M³ TWA

 $1.5 \text{mg/M}^3 \text{ TWA}$ (Inhalable Fraction)

\*Contains 90% to 100% Nickel, a toxic chemical subject to the reporting requirements of Section 313 of Title III of SARA and 40 CFR Part 372.

SECTION II -- PHYSICAL/CHEMICAL CHARACTERISTICS

**Melting Point** 

2650° F

Specific Gravity (H<sub>2</sub>O = 1)

8.9

(Water) 0

Other

Appearance and Odor

Metallic gray-silver appearance. No odor.

SECTION III - REACTIVITY DATA

Stability:

Unstable

**Conditions to Avoid** 

Stable X

Incompatibility (Materials to Avoid)

None known.

Hazardous Decomposition or Byproducts

None known.

Hazardous Polymerization:

May Occur

Conditions to Avoid

Will Not Occur X

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)

N.A.

**Extinguishing Media** 

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Not a fire or explosion hazard.

Upwould Fire and Explosion Hazards

Special Fire Fighting Procedures

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## SECTION V - HEALTH HAZARD DATA

Route(s) of Entry

Inhalation. External exposure: skin contact.

Health Hazards (Acute and Chronic)

May cause irritation of the respiratory system. May also cause "Nickel Itch", a form of dermatitis, and chronic overexposure could result in pneumoconiosis due to nickel content.

Carcinogenicity The National Toxicology Program annual report of 1991 lists Nickel as an anticipated carcinogen of the nasal cavity, sinus and lungs. ACGIH does not classify Nickel metal as a human carcinogen.

Signs and Symptoms of Overexposure

Irritation of the respiratory system; skin itch.

Emergency and First Aid Procedures On contact with skin, practice proper hygiene. On contact with eyes, flush eyes thoroughly with water for 15 minutes. On inhalation of excessive dust, move to fresh air. Seek medical attention if problems persist.

## SECTION VI - SPECIAL PROTECTION AND PRECAUTIONS

Ventilation and Engineering Controls

Appropriate ventilation.

Personal Protective Equipment

protection.

NIOSH-certified respirator, gloves and ANSI-approved eye

Safe Handling, Use and Storage

Safe handling and storage.

Protective Measures During Repair & Maintenance

Use protective equipment listed above.

Other

## SECTION VII - SPILL OR LEAK PROCEDURES

Steps to Be Taken in Case Material is Released or Spilled  $_{
m Use}$  normal clean-up procedure.

Waste Disposal Method

Follow federal, state and local regulations.

Other Precautions

Follow all other precautions and data noted herein.

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