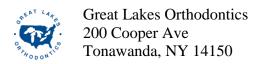
# SAFETY DATA SHEET

# SECTION 1. INDENTIFICATION



716-871-1161 800-828-7626

CHEMTREC: 800-424-9300

**Product Name:** Duraloy Wire

**Product Number:** 265-004, 265-005, 265-006, 265-007, 265-008, 265-009, 265-010, 265-011, 265-012,

265-013, 265-021, 265-022, 265-023, 265-024, 265-025, 265-026, 265-027, 265-028

Effective Date: 3/12/13

#### SECTION 2. HAZARDOUS IDENTIFICATION

• Not considered hazardous in the form shipped. Does not include dust, fume, or dissolved metals if/when processed.

### Potential Health Effects:

# **Primary Routes of Entry**

- Inhalation
- Skin Contact
- Eye Contact

### <u>Human Effects and Symptoms of Overexposure:</u>

#### Skin

Processes causing the release of dust and fume can be irritating or harmful to skin.

#### Eves

Processes causing the release of dust and fume can be irritating or harmful to skin.

#### Inhalation

Processes causing the release of dust and fume can be irritating or harmful to skin.

## Carcinogenicity

No carcinogenic substances as defined by IARC, NTP and / or OSHA.

#### SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

<b>Hazardous Components</b>	CAS#	Average %
Cobalt	7440-48-4	40.34
Chromium	7440-47-3	20.08
Nickel	7440-02-0	15.25
Molybdenum	7439-98-7	6.8
Manganese	7439-96-5	1.68
Carbon	7440-44-0	0.096
Silicon	90337-93-2	0.015
Phosphorus	7803-51-2	0.006
Sulfur	9073-75-0	0.001
Beryllium	7440-41-7	< 0.001
Iron	7439-89-6	Balance

### **SECTION 4. FIRST AID MEASURES**

• As shipped, the metal is an article with minimal likelihood for hazardous consequences through inhalation, ingestion, skin, or eye contact.

# **Eye Contact**

Flush eye with plenty of water for 15 minutes and seek medical attention if irritation persists.

#### **Skin Contact**

Wash skin with soap and water. Seek medical attention if rash develops.

# **Ingestion**

Seek medical attention.

#### **Inhalation**

Remove person from exposure to fresh air. Get prompt medical attention if breathing difficulty continues.

### **SECTION 5.** FIRE FIGHTING MEASURES

• As shipped, the metal is not combustible and no hazardous decomposition products are expected.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### **Spill and Leak Procedures**

• As shipped, the metal is not combustible and no hazardous decomposition products are expected.

# SECTION 7. HANDLING & STORAGE

#### **Handling / Storage Precautions**

Store away from acids and oxidizers.

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### **Ventilation Measures**

Local exhaust is recommended to control emissions near the source of metal being cut, ground, welded, or melted.

## **Industrial Hygiene**

Additional engineering controls and/or personal protection equipment such as a NIOSH approved respirator could be required if industrial hygiene monitoring reveal a chemical overexposure during processing.

#### **Hand Protection**

As shipped, the metal does not trigger exposure control requirements although leather gloves are recommended when handling metal.

#### SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

- Form Solid
- Color Gray in color
- Odor Odorless
- Specific Gravity -7.5 8.5
- Flash Point >  $450 \, ^{\circ}\text{C} \, (> 842 \, ^{\circ}\text{F})$
- **Melting Point** 2400 2800 °F

**Not applicable:** PH, Evaporation Rate, Boiling Point, Flashpoint, Flammability Limits, Auto Ignition Temperature, Vapor Pressure, and Viscosity.

#### SECTION 10. STABILITY & REACTIVITY

Hazardous Reactions – Hazardous polymerization will not occur.

**Stability** – Stable

Materials to Avoid – Acids, bases, and oxidizers.

Conditions to Avoid – None known

**Hazardous Decomposition Products** – None for product as shipped.

#### SECTION 11. TOXICOLOGICAL INFORMATION

No data available.

### **SECTION 12. ECOLOGICAL INFORMATION (non-mandatory)**

No data available.

### **SECTION 13. DISPOSAL CONSIDERATIONS (non-mandatory)**

#### **Waste Disposal Method**

Recycling of all metallic byproducts as scrap is encouraged. If byproducts are to be treated and/or disposed of as wastes, hazardous waste characterizations must be performed prior to treating and/or disposing. Contact appropriate parties to ensure compliance.

# **SECTION 14. TRANSPORT INFORMATION (non-mandatory)**

The Department of Transportation (DOT) regulates transportation of hazardous materials and waste in the United States.

- **Proper DOT Shipping Name** Hazardous Waste Solid, n.o.s.
- Hazard Class 9
- Packing Group III
- **Identification Number** UN3077
- Emergency Response Guide Number 171

# **SECTION 15. REGULATORY INFORMATION (non-mandatory)**

#### **United States Federal Regulations**

TSCA (Toxic Substances Control Act): Not applicable.

**CERCLA** (Comprehensive Response Compensation and Liability Act): Not applicable.

# **SARA Title III (Superfund Amendments and Reauthorization Act):**

- 311/312 Hazardous Categories: Not applicable for storage of items as shipped. However, if processed, end products may require reporting.
- 313 Reporting: Chemical constituents subject to reporting requirements may include: cobalt, chromium, nickel, and/or manganese.

Regulations such as Clean Air Act, Clean Water Act, and Resource Conservation & Recovery Act may apply to the handling of metal grindings and particulates from processing.

California Safe Drinking Water Act (Prop 65) listing:

Component	CAS#	
Nickel	7440-02-0	
Cobalt	7440-48-4	

Governors list of chemicals known to cause cancer and reproductive toxicity includes hexavalent compounds of chromium and nickel dust from pyro metallurgical processing.

# **SECTION 16. OTHER INFORMATION (non-mandatory)**

# HMIS Rating:

- **Health** -0 as shipped 2 if ground, welded, or melted
- Flammability 0
- Physical Hazard 0
- 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe
- \* = Chronic Health Hazard

# NFPA Rating:

- **Health** -0 as shipped 2 if ground, welded, or melted
- Flammability 0
- **Physical Hazard** 0
- 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe
- \* = Chronic Health Hazard