

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Perfect 14+

Company Names: North American Alloys, Inc.
225 Brentwood Ct.
Bloomington, IL 60108
Phone: 630-980-5618
Emergency Phone: 630-202-1949

SECTION 2: COMPOSITION/INFORMATION OF INGREDIENTS

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
Cobalt (Co)	62-66%	7440-48-4
Chromium (Cr)	28-32%	7440-47-3
Molybdenum (Mo)	5-7%	7439-98-7
Manganese (Mn)	<1.5%	7439-96-5
Silicon (Si)	<1.5%	7440-21-3
Carbon (C)	<1%	7440-44-0
Nitrogen (N)	<1%	7727-37-9

SECTION 3: HAZARD IDENTIFICATION

Hazards: Cobalt (Co): OSHA: Federal Register (1/19/98) and 29 CFR 1910.1000 Subpart Z Transitional Limit: PEL-TWA 0.1 mg/m³ (610) Final Limit: PEL-TWA 0.05 mg/m³ (610) ACGIH: TLV-TWA 0.5 mg/m³ (610) NIOSH Criteria Document: Recommended Exposure Limit to this compound-air: TWA 0.1 mg/m³/8H (610)
Chromium (Cr): OSHA: Federal Register (1/19/89 AND 29 CFR 1910.1000 Subpart Z Transitional Limit: PEL-TWA 1 mg/m³ (610) Final limit: PEL-TWA 1 mg/M³ (610) ACGIH: TLV-TWA 0.001 mg/m³ (610)
Silicon (Si): May be harmful if ingested in quantity. May irritate or cause physical damage to eyes.

SECTION 4: FIRST AID MEASURES

Emergency and First Aid Procedures:

Eyes: Rinse opened eye for several minutes under running water. Seek medical attention if irritation persists.

Skin: Immediately wash with water and soap and rinse thoroughly. Seek medical attention if irritation occurs.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Keep patient warm. Seek medical attention.

Ingestion: Seek immediate medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media: Product is not flammable. Use fire fighting measures that suit the surrounding fire.

Special Fire Fighting Procedures: None

Unusual Fire & Explosion Hazards: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

Release dust by vacuuming. No special precautions for bulk shapes.

SECTION 7: HANDLING AND STORAGE

Storage: Keep in a container.

Handling:

Eyes: Wear appropriate NIOSH approved safety glasses

Skin: Wear rubber gloves

Clothing: Wear appropriate clothing to prevent exposure

Respirators: Use in well ventilated area.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Wear appropriate NIOSH approved safety glasses
Skin: Wear rubber gloves
Clothing: Wear appropriate protective clothing to prevent exposure
Respirators: Use in well ventilated area.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Platinum color
Odor: None
Boiling Point: N/A
Melting Point: 1343-1371^o C (2450-2500^o F)
Flammability: Non-flammable
Solubility in Water: Insoluble
Density: 8.25 gm/cc³

SECTION 10: STABILITY AND REACTIVITY

Material to Avoid: Oxidizing agents, acids
Conditions to Avoid: Decomposition will not occur if used and stored according to the specifications
Hazardous Decomposition Products:
Polymerization: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Not available

SECTION 12: ECOLOGICAL INFORMATION

Not available

SECTION 13: DISPOSAL CONSIDERATIONS

Use proper landfill disposal in accordance with local, state and federal regulations.

SECTION 14: TRANSPORTATION INFORMATION

Not available

SECTION 15: REGULATORY INFORMATION

Federal law restricts this device to sale by or on the order of a dentist.

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