

To FU SHENG INDUSTRIAL CO.,LTD

MATERIAL SAFETY DATA SHEET

MSDS FILE No. (KURAMI WORKS) : 03-490

(based on Form OSHA-174)

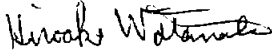
IDENTITY (AS Used on Label and List)

Product Class : Corson alloy Strip
 Trade Name : CDA C70250R
 CAS No. : Copper: 7440-50-8, Nickel: 7440-02-0, Silicon: 7440-21-3, Magnesium: 7439-95-4

Chemical Composition

	Content (wt-%)	CAS No.
Nickel (Ni)	2.2~4.2	7440-02-0
Silicon (Si)	0.25~1.2	7440-21-3
Magnesium (Mg)	0.05~0.30	7739-95-4
Copper (Cu)	Balance	7440-50-8

Section I

Manufacturer's Name NIPPON MINING & METALS CO.,LTD. KURAMI WORKS	Emergency Telephone Number +81-467-75-0611
	Telephone Number for Information Quality Assurance Sect. +81-467-75-7285
Address 3 Kurami Samukawa-cho Kouza-gun Kanagawa prefecture 253-0101 JAPAN	Date Prepared January 7th, 2003
	Signature of Preparer 
	Hiroaki Watanabe Deputy Manager, Quality Assurance

Section II Hazardous Ingredients / Identity Information

Hazardous Components (Specific Chemical Identity : Names OSHA Pel ACGIH TLV

Nothing for ordinary service condition

Section III Physical / Chemical Characteristics

Boiling Point 2630 °C for Copper 3075 °C for Nickel 1107 °C for Silicon 2335 °C for Magnesium	Specific Gravity (H ₂ O = 1) 8.82
Vapor Pressure (mmHg) N/A	Melting Point 1075deg. centi. for C70250 corson alloy
Vapor Density (Air = 1) N/A	Evaporation Rate (Butyl Acetate = 1) N/A
Solubility in Water N/A	
Appearance and Odor Brown - Red (solid) : Odor - None	

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used) N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media N/A (stable , nonflammable substance)			
Special Fire Fighting Procedures Not specified			
Unusual Fire and Explosion Hazards Metal products do not present fire or explosion hazards under normal conditions.			

Section V Reactivity Data			
Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid) **Nothing**

Hazardous Decomposition or Byproducts **Nothing**

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI Health Hazard Data

Route(s) of Entry : Inhalation ? Skin ? Ingestion ?
N/A N/A N/A

Health Hazardous (Acute and Chronic) **N/A**

Carcinogenicity : NTP ? IARC Monographs ? OSHA Regulated ?
N/A N/A N/A

Signs and Symptoms of Exposure **N/A**

Medical Conditions Generally Aggravated by Exposure **N/A**

Emergency and First Aid Procedures **N/A**

Section VII Precautions for State Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled **N/A**

Waste Disposal Method **Collect scrap for remelting.**

Precautions to Be Taken in Handling and storing

For Handling

- Put safety gloves on to protect your hands from edges of coils which might cut your hands.
- Wear safety glasses when metal powders or chips are expected to be generated in the work.
- Put safety shoes on when handling heavy coils.

For Storing

- The environment of stocking area should be free from acid, alkali, chloride, sulfide and other corrosive chemicals to prevent from rusting or corrosion.

Other Precautions **No special requirements**

Section VIII Control Measures

Respiratory Protection (Specify Type)
Wearing a mask be recommended in the work such as abrasion and buffing which generates metal powders or chips.

Ventilation	Local Exhaust	Special
	None	None
	Mechanical (General)	Other
None	None	None

Protective Gloves
Put safety gloves on to protect your hands from edges of coils which might cut your hands.

Eye Protection
Wear safety glasses when metal powder is expected to be generated in the work.

Other Protective Clothing or Equipment
Put safety shoes on when handling heavy coils.

Work / Hygienic Practices **None**

Influence to environments
Fish on toxicity : TLM 48 hr. on CuSO₄
Salmogairdeneri : 0.038 ~ 0.8 ppm
Oryzias Latipes : 2.1 ~ 24ppm