Material Safety Data Sheet

Section 1 Identification

Product Name: Nickel plating on metallic strip substrate
General: Metal with Metal Additives
Formula: Ni
C.A.S.: 7440-02-0
Health: 1 Flammability: 0 Reactivity: 0
Hazard Scale: Least Slight Moderate High Extreme
0 1 2 3 4

Section 2 Component Mixture

Component	CAS #	%	Exposure Limits
Nickel Metal	7440-02 -0	99.99	OSHA PEL 1mg/mf
Plating Additive	N/A	<0.01	N/A

Section 3 Hazard Identification (Also see section 11)

Generally not hazardous in normal handling; however, good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation of dusts formed during cutting/grinding/etc.

Section 4 First Aid Measures

Skin – Wash skin immediately with soap & water. Remove contaminated clothing. Avoid prolonged/repeated contact with skin. Not a route of entry to body. Contact physician if irritation persists.
Eyes - Mild Irritant; wash eyes exposed to dust with plenty of water for at least 15 minutes, lifting eyelids occasionally. Seek medical attention.
Inhalation - Irritant; remove to fresh air if exposed to excessive dust. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Ingestion Conscious & Alert: Induce vomiting. Spontaneous Vomiting: Keep head below hips, rinse mouth, give ½-1 cup water or milk. Unconscious: Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

Section 5 Fire Fighting Measures

Fire Extinguisher Type: Consistent with other substances involved.
Fire/Explosion Hazards Not combustible/fire hazard.
Fire Fighting Procedure: Consistent with other substances involved. Wear self-contained breathing device.

The information contained herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warrantee is expressed or implied regarding the completeness or accuracy of this information, whether originating from Selective Plating Inc. or from an alternative source. Users of this material should satisfy themselves by independent investigation of current scientific and medical information that this material may be safely handled.

Section 6 Accidental Release Measures

Sweep up and place in suitable containers for reclamation or later disposal per Federal, State, and Local regulations..

Section 7 Handling and Storage

Store in a cool, dry, well ventilated area. Keep away from heat and flame. Do not get dusts in eyes, on skin, or on clothing.

Section 8 Exposure Controls/ PPE

Respiratory Protection: NIOSH approved dust mask.
Hand Protection: Gloves to prevent skin exposure.
Eye Protection: Appropriate safety glasses/goggles.

Section 9 Stability and Reactivity

Stability: Stable Conditions to Avoid: Acids.
Materials to Avoid: Nickel can react with acids can create hydrogen gas which can form explosive mixtures in air. Hazardous Decomposition Products: Hydrogen gas when contacted with acids.

Section 10 Physical & Chemical Properties

Melting Point: 1453°C Boiling Point: 2730° C
Vapor Pressure: N/A Evaporation Rate: N/A
Vapor Density: N/A
Solubility in Water: Dusts are insoluble
Evaporation Standard: N/A
Auto Ignition Temperature: N/A
Flash Point: N/A
Lower Flammability Limit in Air: N/A
Upper Flammability Limit in Air: N/A
Appearance: Silvery matte or bright finish over rigid or semi-rigid substrate.

Section 11 Additional Information

Effects of overexposure, Acute and Chronic:
Edges of base material may cause cuts to unprotected skin, no other effects expected to skin. Prolonged inhalation of dust or fume may result in a benign pneumoconiosis, producing distinctive changes in the lungs with no apparent disability or complications.

RCRA Hazardous Waste: F006
SARA Toxic Chemical: Section 313
Sara Extremely Hazardous Substance: Not Listed
DOT Classification: Not Regulated
DOT regulations may change; please consult the most recent version of the relevant regulations.

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