SELECTIVE PLATING

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 Hazard(s) Identification

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 3 Composition

Component	CAS #	%	Exposure Limits
Nickel Metal	744-02-0	99.99	OSHA PEL 1mg/mf
Plating Additive	N/A	N/A	N/A

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.

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 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 10 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 11 Toxicological Information

Acute oral effects: No data available
Acute skin effects: No data available
Acute inhalation effects: No data available
Second rank acute toxicitiy: No data available
Chronic effect: No data available
Mutagenicity: No data available
Next feneration efferct (teratogenicity): No data available
Carcinogenicity: Not prescribed by Industrial Safety Health Act
Other: No data available

Section 12 Ecological Information

Ecotoxicity: No data available
Soil mobility: No data available
Environmental absorption and degradation: No data available
D. Probable accumulation in animal bodies: No data available

Section 13 Disposal Considerations

Regulations on disposal management: Not regulated
Disposal method: Follow applicable regulations
Special notice on disposal: No particular notice

Section 14 Transport Information

Not regulated

Section 15 Regulatory Information

Regulations prescribed by Industrial Safety and Health Act: No data available
Regulations prescribed in other laws related to chemical matter management such as Hazardous Chemcal Matter Act: No data available
Regulations by other countries: No data available

Section 16 Other 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.

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.

An ISO 9001:2008 registered company

Selective Plating Inc. 240 S Lombard Road Addison IL 60101 Tel 630-543-1380 Fax 630-543-1392

www.SelectivePlatingInc.com