

** This information is given in good faith, but no warranty, expressed or implied is made.

MATERIAL SAFETY DATA SHEET

Nickel

ANODES, INGOT, BAR, WIRE

SECTION 1: **IDENTIFICATION**

Furnished by: Grant Manufacturing & Alloying, Inc
200-C Furnace Street
Birdsboro, Pa 19508

Effective Date: 01/01/02

Emergency Phone Number: 610-404-1380

Person to Contact: David Charest

SECTION 2: **CONSTITUENTS**

CHEMICAL	CAS#	%WT	CARCINOGEN	OSHA PEL	IDLH
NICKEL	7440-02-0	99.9	NO	1 mg/m ³	10 mg/m ³

SECTION 3: **PHYSICAL DATA**

Melting Point	2647F, 1453C
Boiling Point	4950F, 2732C
Vapor Pressure	N/A
Vapor Density	N/A
Solubility in Water	0
Apperance/Color	silver to gray
Specific Gravity, 68-77 F	8.9
Odor	none
% Volatile	nil
pH	N/A
Evaporation Rate	N/A

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point	not flammable
Flammable Limits	N/A
Extinguishing Methods	Use Extinguisher's suitable for surrounding Fire.
Fire Fighting Equipment	If metal is present where there is fire, wear self contained breathing device .

Do Not allow water to come in contact with Metal if Molten

SECTION 5: REACTIVITY DATA

Stability	Unstable
Conditions to Avoid	Nickel can react with acids can create hydrogen gas which can form explosive mixtures in air.
Hazardous Polymerization	will not occur
Incompatibility	Acids
Hazardous Decomposition	Nickel can react with acids can create hydrogen gas which can form explosive mixtures in air.

SECTION 6: SPILL, LEAK AND DISPOSAL PROCEDURES

Actions to take for spills	allow to solidify, collect and place in sealed drum
Disposal Method	return to supplier

SECTION 7: HEALTH HAZARD INFORMATION

Eye	dust or fumes will be an irritant
Skin Contact	not a route of entry to the body, but can cause irritation
Skin Absorption	not a route of entry to the body
Ingestion	N/A

Section 8: First Aid Procedures

Eyes:	Flush thoroughly with water and call a physician.
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Skin: Wash thoroughly with soap and water.
Ingestion: Call a Doctor
Inhalation: Remove to fresh air. Call a physician.

Section 9: Special Handling Information

Ventilation: Required to maintain TLV's
Respiratory Protection: Fume Mask required.
Eye Protection: Wear protective goggles.
Skin Protection: Use protective gloves when handling material.
Other: N/A

Section 10: Special Precautions & Additional Information

Nickel can react with Acid by forming Hydrogen Gas, which is explosive.

Section 11: Hazard Rating

Based on NFPA and NPCA Systems

Health-Slight

Flammability-None

Reactivity-None

END: