

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND CONTACT INFORMATION

Product Name: Grinding Disc, Meta-bonded diamond or CBN disk; nickel plated diamond or CBN wheel

AM0398, AM0399, AM0400, AM0401

Alpha Resources, Inc.
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2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	%W	CHEMICAL NAMES	OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)
7440-02-0	<10	Nickel	1	1

3. HAZARD IDENTIFICATION

Nickel is a suspected carcinogen.

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation.

SKIN: May cause skin irritation or dermatitis in sensitive individuals with repeated skin exposure.

INHALATION: Bronchial asthma, lung fibrosis, pneumoconiosis.

INGESTION: Metallic taste, nausea, tightness of chest, fever, unconsciousness and death.

CHRONIC HEALTH EFFECTS/CARCINOGENICITY

NTP: Nickel, Class 2

OSHA: Not listed

IARC: Nickel, Class 2B

Medical Restrictions: None known.

4. FIRST AID MEASURES

EYES: Flush with large amounts of water. Get medical attention if irritation persists.

INHALATION: Removed from exposure to fresh air immediately. Consult a physician

SKIN: Wash skin with plenty of soap and water. Consult a physician if irritation persists.

INGESTION: Get medical attention without delay.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Non-flammable

Flash Point: Not available

Flammable Limits: (% by Volume in Air): Lower: None Upper: None

AUTO-IGNITION TEMPERATURE: N/A

HAZARDOUS COMBUSTION PRODUCTS: Will not burn, but under specific conditions, exposure to carbon monoxide will produce nickel carbonyl, a highly toxic gas.

EXTINGUISHING MEDIA: Dry chemical.

FIREFIGHTING INSTRUCTIONS: Wear approved self-contained breathing apparatus. Massive forms of Nickel do not pose a fire or explosion hazard. Water contact with molten metal may cause an explosion.

6. ACCIDENTAL RELEASE MEASURES

SMALL/LARGE SPILL: If Nickel is spilled, it can be safely swept, shoveled or picked up by hand and returned to the original container.

7. HANDLING AND STORAGE

HANDLING: Precautions and good ventilation at the workplace should be used if handling or use of metallic Nickel will produce fine dust, fume or mist. Avoid skin exposure.

STORAGE: Keep container closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: local ventilation to meet exposure limits.

RESPIRATORY PROTECTION: NIOSH/MSHA respirator for dust or fumes if exposure above the PEL limit.

SKIN AND HAND PROTECTION: Leather or rubber gloves.

EYE AND FACE PROTECTION: Safety glasses with side shields are recommended. If metal is dissolved, avoid solution contact by use of protective goggles.

OTHER PROTECTIVE EQUIPMENT: Eye bath and safety shower should be available.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: solid gray

BOILING POINT: unknown

FREEZE-MELT POINT: unknown

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

SOLUBILITY IN WATER: Insoluble

SPECIFIC GRAVITY: 7.9

pH: N/A

ODOR: None

PERCENT VOLATILES: N/A

EVAPORATION RATE: N/A

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

INCOMPATIBILITY: Nickel reacts vigorously with concentrated nitric acid.

HAZARDOUS DECOMPOSITION PRODUCTS: Not likely.

HAZARDOUS POLYMERIZATION: None.

11. TOXICOLOGICAL INFORMATION

The acute and chronic toxicity of this substance is not known.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATION

Dispose of in accordance with federal, state and local regulations.

14. TRANSPORTATION INFORMATION

USA DOT: Not regulated

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS

TSCA STATUS: On toxic Substance Control Inventory

RCRA Status: Not regulated

SARA TITLE III:

Section 313 Toxic Chemicals: Nickel

CANADAIN REGULATIONS

WHMIS: Unknown

16. OTHER INFORMATION

SUPPLEMENTAL INFORMATION

The data and information as stated was furnished by the manufacturer/vendor &/or supplier of this product. Alpha Resources, Inc. cannot warrant the accuracy of this information and shall not be responsible or liable for any damage that may result, should any of the information be erroneous.

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