

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Nira-Bond C & B Alloy
Product Number: 804001, 804001K, 804001-5,
804001K25
CAS Number: Blend

Company Identification

Niranium Co., Div. of CMP Industries LLC
413 North Pearl St
Albany, NY 12207-1311 USA
(518)-434-3147 (For product information)
(800)-424-9300 (For emergencies)

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
NICKEL	77.0 %	7440-02-0
CHROMIUM	11.0 %	7440-47-3
MOLYBDENUM	4.0 %	7439-98-7
COLUMBIUM	3.0 %	N/A
ALUMINUM	3.0 %	7429-90-5
SILICON	2.0 %	7440-21-3

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

HAZARDS DISCLOSURE

This product contains hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

As defined under Sara 311 and 312, this product contains materials that are acute, chronic hazards.



3. HAZARDS IDENTIFICATION

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***** EMERGENCY OVERVIEW *****
*
*                               WARNING                               *
*
* Cancer hazard. Dust or vapor extremely irritating                *
* to eyes and respiratory tract.                                    *
*
*****
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NFPA Rating - Health:
Flammability:
Reactivity:
Special Hazard: N/A

POTENTIAL HEALTH EFFECTS

EYE:

Causes eye irritation.

SKIN:

Can cause moderate skin irritation. Allergic reactions are possible.

INHALATION:

Dust may be slightly irritating to respiratory tract.

INGESTION:

Ingestion is not considered a potential route of exposure.

CHRONIC EFFECTS:

Respiratory Disease may result due to long term exposure.

REPRODUCTIVE HAZARDS:

None.

CARCINOGENICITY INFORMATION:

Cancer hazard (contains material which) can cause cancer. Listed by IARC and NTP as a carcinogen.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

Flush eye with water for 15 minutes.



(section 4 continued)

SKIN CONTACT FIRST AID:

Contaminated clothing should be discarded in a manner which limits further exposure. Immediately wash skin with soap and plenty of water.

INHALATION FIRST AID:

Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and provide oxygen.

INGESTION FIRST AID:

If swallowed, immediately give 2 glasses of water. Induce vomiting.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

COC Flash Point: N/A

Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA:

Use dry sand or earth to smother fire.

FIRE & EXPLOSION HAZARDS:

No known unusual hazards in a fire/explosion situation.

FIRE FIGHTING INSTRUCTIONS:

Avoid breathing smoke, fumes, and decomposition products. As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Wear appropriate personal protective equipment.

LARGE SPILLS PROCEDURE:

Contain spilled material.

SMALL SPILLS PROCEDURE:

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.



7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

Wash hands thoroughly after handling.

HANDLING (PHYSICAL ASPECTS):

Store in a cool dry area.

STORAGE PRECAUTIONS:

Store in a cool dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

If user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

EYE / FACE PROTECTION REQUIREMENTS:

Chemical goggles are recommended to avoid contact with eyes.

SKIN PROTECTION REQUIREMENTS:

Wear protective gloves to minimize skin contamination. Wash hands thoroughly after handling.

RESPIRATORY PROTECTION REQUIREMENTS:

Atmospheric levels should be maintained below the exposure guideline.

EXPOSURE GUIDELINES:

NICKEL

OSHA PEL: 1 mg/m³

OSHA TWA: 1 mg/m³

CHROMIUM

OSHA PEL: 1 mg/m³

OSHA TWA: 1 mg/m³

MOLYBDENUM

OSHA PEL: 10 mg/m³

OSHA TWA: 5 mg/m³

ALUMINUM

OSHA PEL: 10 mg/m³

OSHA TWA: 10 mg/m³

SILICON

OSHA PEL: 10 mg/m³

OSHA TWA: 10 mg/m³



9. PHYSICAL AND CHEMICAL PROPERTIES

FORM : Solid
COLOR . . . : Metallic Grey
ODOR : No odor

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Product will not undergo polymerization.

DECOMPOSITION:

Decomposition will not occur if handled and stored properly.

11. TOXICOLOGICAL INFORMATION

CHRONIC EFFECTS /:

May cause respiratory disease.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL . . . : Nira-Bond C & B Alloy



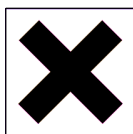
15. REGULATORY INFORMATION

REGULATORY LISTS SEARCHED:

01 = SARA 313	02 = CA Proposition 65
03 = SARA 302/304	04 = CERCLA 302.4
05 = ACGIH TWA	06 = ACGIH STEL
07 = ACGIH CALC TLV	08 = OSHA PEL
09 = CANADIAN WHMIS	10 = OSHA Ceiling

EEC Symbols and Indications of Danger:

Irritant (Xi)



R-Phrases:

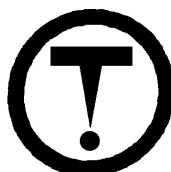
R36/37/38 - Irritating to eyes, respiratory system, and skin.
R43 - May cause sensitization by skin contact.

S-Phrases:

None

WHMIS Hazard Symbols:

Class D2 - Materials Causing Other Toxic Effects



Canadian Disclosure List

NICKEL (7440-02-0)
CHROMIUM (7440-47-3)
MOLYBDENUM (7439-98-7)
ALUMINUM (7429-90-5)

SARA Title III - Section 313

NICKEL (7440-02-0)
CHROMIUM (7440-47-3)
ALUMINUM (7429-90-5)

CERCLA Hazardous Substances

NICKEL (7440-02-0) -- RQ 100 lb
CHROMIUM (7440-47-3) -- RQ 5000 lb



(section 15 continued)

RCRA Hazardous Substances

NICKEL (7440-02-0) -- RCRA Code: Unknown
CHROMIUM (7440-47-3) -- RCRA Code: D007

Title V

NICKEL (7440-02-0)
CHROMIUM (7440-47-3)
MOLYBDENUM (7439-98-7)
ALUMINUM (7429-90-5)

CA Proposition 65

NICKEL (7440-02-0)

SC Toxic Air Pollutants List

NICKEL (7440-02-0)
CHROMIUM (7440-47-3)
MOLYBDENUM (7439-98-7)
ALUMINUM (7429-90-5)
SILICON (7440-21-3)

16. OTHER INFORMATION

PREPARED BY: Ylvonne Thomas
APPROVED BY: John Nicpon
TITLE: Quality Manager
APPROVAL DATE: May 18, 2011
SUPERCEDES DATE ...: April 16, 2003
MSDS NUMBER: 003
RTN NUMBER: 00000003 (Official Copy)

ABBREVIATIONS USED IN THIS MSDS:

TLV - THRESHOLD LIMIT VALUE	TWA - Time Weighted Average
STEL - SHORT TERM EXPOSURE LIMIT	TPQ - Threshold Planning Quantity
RQ - REPORTABLE QUANTITY	PEL - Permissible Exposure Limit
C - CEILING LIMIT	CAS - Chemical Abstract Service Number
NDA - NO DATA AVAILABLE	N/A - Not Applicable or Not Available

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END OF MSDS

