

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Product Identification

Product Name: Hi-Shine - Niranium  
Product Number: 809002  
Chemical Name: Buffing compound  
Chemical Family: N/A  
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)  
1-800-424-9300 or 1-202-483-7616 (CHEMTREC)

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
GLYCERIDES	17.0 - 23.0 %	68424-60-2
FATTY ACIDS	17.0 - 23.0 %	555-43-1
ALUMINUM OXIDE, DUST	65.0 - 75.0 %	1344-28-1
BARYTE ABRASIVE, DUST	12.0 - 14.0 %	7727-43-7
STEARIC ACID	16.0 - 19.0 %	57-11-4

(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 hazards.



### 3. HAZARDS IDENTIFICATION

\*\*\*\*\* EMERGENCY OVERVIEW \*\*\*\*\*  
\*  
\* N/A. \*  
\* \*  
\*\*\*\*\*

NFPA Rating - Health:  
Flammability:  
Reactivity:  
Special Hazard: N/A

#### POTENTIAL HEALTH EFFECTS

**EYE:**  
May cause slight irritation.

**SKIN:**  
May cause skin irritation.

**INHALATION:**  
May be slightly irritating to respiratory tract.

**INGESTION:**  
Ingestion is not considered a potential route of exposure.

**REPRODUCTIVE HAZARDS:**  
None.

**CARCINOGENICITY INFORMATION:**  
No known cancer hazards.

### 4. FIRST AID MEASURES

**EYE CONTACT FIRST AID:**  
Flush eye with water for 15 minutes.

**SKIN CONTACT FIRST AID:**  
Immediately wash skin with soap and plenty of water.

**INHALATION FIRST AID:**  
If breathing is difficult, remove to fresh air and provide oxygen. Seek medical attention.



(section 4 continued)

**INGESTION FIRST AID:**

Induce vomiting by sticking finger down throat. Never give anything by mouth to anyone unconscious or suffering convulsions.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES**

TCC Flash Point: 176.7 C (350.1 F)  
Autoignition Temperature: 300.0 C (572.0 F)

**FLAMMABLE LIMITS IN AIR**

LEL: N/A  
UEL: N/A

**FLAMMABLE PROPERTIES:**

Not Flammable under normal conditions.

**EXTINGUISHING MEDIA:**

None.

**FIRE & EXPLOSION HAZARDS:**

Contact with Sodium Hydroxide may result in the generation of flammable hydrogen gas.

**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) :

Use care in handling/storage. 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.

### EXPOSURE GUIDELINES:

#### CHROMIUM OXIDE PIGMENT, DUST

OSHA TWA: .05 mg/m<sup>3</sup>

#### ALUMINUM OXIDE, DUST

OSHA PEL: 15 mg/m<sup>3</sup>

OSHA TWA: 10 mg/m<sup>3</sup>

#### BARYTE ABRASIVE, DUST

OSHA PEL: 15 mg/m<sup>3</sup>

OSHA TWA: 10 mg/m<sup>3</sup>

## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM .....: Solid Cake  
COLOR .....: Green  
ODOR .....: Mild  
SOLUBILITY IN WATER ...: Insoluble  
SPECIFIC GRAVITY .....: more than 1.2 (Water = 1)

## 10. STABILITY AND REACTIVITY



(section 10 continued)

**STABILITY:**

Stable.

**POLYMERIZATION:**

Product will not undergo polymerization.

**INCOMPATIBILITY WITH OTHER MATERIALS:**

Avoid contact with sodium hydroxide.

**DECOMPOSITION:**

Decomposition will not occur.

**CONDITIONS TO AVOID:**

Keep out of sun and Keep away from heat.

## 11. TOXICOLOGICAL INFORMATION

**CHROMIUM OXIDE PIGMENT, DUST**

Test Code: Intraperitoneal

Species: Rat

Results: 90 mg/kg caused respiratory and kidney tumors.

**ALUMINUM OXIDE, DUST**

Test Code: TDLO

Species: Rat

Results: 90 mg/kg (implant)

**BARYTE ABRASIVE, DUST**

Test Code: Lung Cell

Species: Hamster

Results: 36 mg/L caused sister chromatid change.

Test Code: TDLO

Species: Rat

Results: 200 mg/kg

Test Code: Intrapleural TDLO

Species: Rat

Results: 200 mg/kg

## 12. ECOLOGICAL INFORMATION

No information available.



### 13. DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:**

In case of spill, sweep material into containers. Buffing wheel may contain wheel lint that is combustible. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

### 14. TRANSPORTATION INFORMATION

PRODUCT LABEL .....: Hi-Shine - Niranium  
D.O.T. SHIPPING NAME .....: Non-toxic, Non-hazardous  
TECHNICAL SHIPPING NAME ...: N/A  
D.O.T. HAZARD CLASS .....: None  
UN NUMBER .....: N/A

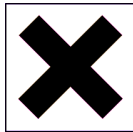
### 15. REGULATORY INFORMATION

**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:**

R36/38 - Irritating to eyes and skin.

**S-Phrases:**

S3 - Keep in a cool place.

**WHMIS Hazard Symbols:**

Class F - Dangerously Reactive Material



(section 15 continued)

**Canadian Disclosure List**

CHROMIUM OXIDE PIGMENT, DUST (1308-38-9)  
ALUMINUM OXIDE, DUST (1344-28-1)  
STEARIC ACID (57-11-4)

**SARA Title III - Section 313**

ALUMINUM OXIDE, DUST (1344-28-1)

**Title V**

ALUMINUM OXIDE, DUST (1344-28-1)

**SC Toxic Air Pollutants List**

STEARIC ACID (57-11-4)

**16. OTHER INFORMATION**

PREPARED BY .....: Regina Lane  
APPROVED BY .....: Abdul Khan  
TITLE .....: Q. C. Manager  
APPROVAL DATE .....: July 26, 2006  
SUPERCEDES DATE ...: April 17, 2003  
MSDS NUMBER .....: 809002  
RTN NUMBER .....: 00000011 (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

\*\*\*\*\*  
 This information is furnished without warranty, expressed or implied,  
 except that it is accurate to the best knowledge of CMP Industries Inc.  
 The data on this sheet are related only to the specific material  
 designated herein. CMP Industries Inc assumes no legal responsibility  
 for use or reliance upon these data.  
 \*\*\*\*\*

\*\*\*\*\*  
**END OF MSDS**  
\*\*\*\*\*

**UNCONTROLLED DOCUMENT**

