

# 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. HAZARDS IDENTIFICATION

### **EMERGENCY OVERVIEW:**

WARNING: MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT. Hazard relates to dust released by cutting, grinding, trimming or other shaping operations.

### **GHS Classification:**

Acute Toxicity, Inhalation - Category 1

### **GHS Hazard Symbols:**

Irritant



### **GHS Hazard Statements:**

H332 - Harmful if inhaled.

### **GHS Precautionary Statements:**

P285 - In case of inadequate ventilation wear respiratory protection.

### **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.

**TARGET ORGAN:**

Overexposure may cause lung damage.

**MEDICAL CONDITIONS AGRAVATED BY EXPOSURE:**

Individuals with impaired pulmonary function should not be subjected to excessive airborne concentrations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**COMPONENT LISTING:**

Chemical Name	Amount	CAS Number
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

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.

### 4. FIRST AID MEASURES

**EYE CONTACT FIRST AID:**

Flush eye with water for 15 minutes. Seek medical attention if irritation persists.

**SKIN CONTACT FIRST AID:**

Immediately wash skin with soap and plenty of water. Seek medical attention if irritation develops.

**INHALATION FIRST AID:**

If breathing is difficult, remove to fresh air and have qualified personnel provide oxygen. Seek medical attention.

**INGESTION FIRST AID:**

If swallowed, immediately give 2 glasses of water. Get medical attention immediately.



## 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.

## 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: 10 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

**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

**EYE EFFECTS:**

Contact may cause mechanical irritation and possible injury.

**SKIN EFFECTS:**

No adverse effects are expected.



**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)

Test Code: TDLO  
Species: Rat  
Results: 200 mg/kg

**BARYTE ABRASIVE, DUST**

Test Code: Lung Cell  
Species: Hamster  
Results: 36 mg/L caused sister chromatid change.

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. TRANSPORT 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  
09 = CANADIAN WHMIS

08 = OSHA PEL  
10 = OSHA Ceiling

**EEC Symbols and Indications of Danger:**

Irritant (Xi)



**R-Phrases:**

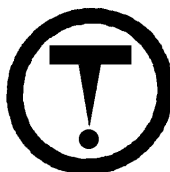
R37 - Irritating to respiratory system.

**S-Phrases:**

S22 - Do not breathe dust.

**WHMIS Hazard Symbols:**

Class D2 - Materials Causing Other Toxic Effects



**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:	John Nicpon
APPROVED BY:	John Nicpon
TITLE:	Quality Manager
APPROVAL DATE:	March 3, 2015
SUPERCEDES DATE:	November 1, 2013
RTN NUMBER:	00000011 (Official Copy)

**HMIS Rating:**

Health - 1



Flammability - 0  
Reactivity - 0

**NFPA Rating:**

Health -  
Flammability -  
Reactivity -  
Special Hazard - N/A

**ABBREVIATIONS USED IN THIS MSDS:**

TLV - THRESHOLD LIMIT VALUE  
STEL - SHORT TERM EXPOSURE LIMIT  
RQ - REPORTABLE QUANTITY  
C - CEILING LIMIT  
NDA - NO DATA AVAILABLE

TWA - Time Weighted Average  
TPQ - Threshold Planning Quantity  
PEL - Permissible Exposure Limit  
CAS - Chemical Abstract Service Number  
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 LLC. The data on this sheet are related only to the specific material designated herein. CMP Industries LLC assumes no legal responsibility for use or reliance upon these data.

\*\*\*\*\*

**END OF SAFETY DATA SHEET**

\*\*\*\*\*

