

# SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Product Identification

Product Name: Bonded Abrasives & Grinding Wheels-Tic.  
Product Number: 210, 212, 215, 216, 217, 218, 219  
Chemical Name: N/A  
Chemical Family: N/A  
CAS Number: Blend

### Company Identification

Ticonium 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: Irritating to eyes, respiratory system and skin.

### **GHS Classification:**

Skin Corrosion/Irritation - Category 2  
Serious Eye Damage/Eye Irritation - Category 2  
Target Organ Systemic Toxicity-Single Exposure Category 3

### **GHS Hazard Symbols:**

Irritant



### **GHS Hazard Statements:**

H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H335 - May cause respiratory irritation.

### **GHS Precautionary Statements:**

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P305/351/338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present



and easy to do. Continue rinsing.

**EYE:**

May causes eye irritation.

**SKIN:**

May cause skin irritation.

**INHALATION:**

May produce irritation of the respiratory system.

**INGESTION:**

The material may be damaging to the health of the individual following ingestion especially where pre-existing organ damage is evident.

**SIGNS AND SYMPTOMS OF EXPOSURE:**

Undue coughing and shortness of breath.

**CHRONIC EFFECTS:**

Long term exposure to high dust concentrations may cause changes in lung function.

**REPRODUCTIVE HAZARDS:**

None.

**CARCINOGENICITY INFORMATION:**

No known cancer hazards.

**TARGET ORGAN:**

Overexposure may cause lung damage.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**COMPONENT LISTING:**

Chemical Name	Amount	CAS Number
BONDED ABRASIVES & GRINDING WHEELS-TIC.	100.0 %	Blend

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.

### 4. FIRST AID MEASURES

**EYE CONTACT FIRST AID:**

Flush eye with water for 15 minutes, holding eyelids apart. If irritation develops or persists, seek medical attention.

**SKIN CONTACT FIRST AID:**

Wash skin with soap and plenty of water. If irritation develops seek medical attention.

**INHALATION FIRST AID:**



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

**INGESTION FIRST AID:**

Immediately give a glass of water. If in doubt contact a Poison Control Center or a doctor.

## 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

**FLAMMABLE PROPERTIES:**

Not Flammable under normal conditions.

**EXTINGUISHING MEDIA:**

None.

**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:**

N/A.

## 7. HANDLING AND STORAGE

**HANDLING (PERSONNEL):**

Use care in handling/storage. Wash hands 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:**

No Information Available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Solid
COLOR:	Varies
ODOR:	May produce odor while in use.
SPECIFIC GRAVITY:	2-4 (Water = 1)

## 10. STABILITY AND REACTIVITY

**STABILITY:**

Stable.

**POLYMERIZATION:**

Product will not undergo polymerization.

**INCOMPATIBILITY WITH OTHER MATERIALS:**

N/A.

**DECOMPOSITION:**

Decomposition will not occur.

## 11. TOXICOLOGICAL INFORMATION

**CHRONIC EFFECTS /:**

May cause respiratory disease.

**ALUMINUM OXIDE**

Test Code: TDLO

Species: Rat

Results: 90 mg/kg (implant)

**IRON OXIDE**

Test Code: Intraperitoneal LD50



Species: Rat  
Results: 5500 mg/kg

**MAGNESIUM OXIDE**

Test Code: TCLO  
Species: Human  
Results: 400 mg/kg

**TITANIA (TiO<sub>2</sub>)**

Test Code: Acute Dermal Exposure  
Description: Intermittent exposure over 3 days.  
Species: Human  
Results: 300 micrograms produced mild irritation.

**CALCIUM CARBONATE**

Test Code: Oral LD50  
Species: Rat  
Results: 6450 mg/kg

Test Code: TCLO  
Description: 6 hour doses over 2 yrs.  
Species: Rat  
Results: 250 mg/kg produced tumors in the thorax and respiratory tract.

Test Code: Acute Dermal Exposure  
Species: Rabbit  
Results: 500 mg administered for 24 hours produces skin irritation.

**SULFUR**

Test Code: Eye  
Species: Human  
Results: 8 ppm produced irritation.

**HYDRATED ALUMINA**

Test Code: Oral TDLO  
Species: Child (human)  
Results: 122 g/kg (for 4 days)

Test Code: Eye  
Species: Rabbit  
Results: 750 micrograms administered for 24 hours produces severe irritation.

Test Code: LD<sub>50</sub>  
Description: Intrapitoneal  
Species: Rat  
Results: 150 mg/kg

**ALUMINUM OXIDE, DUST**

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

**12. ECOLOGICAL INFORMATION**



**MISCELLANEOUS:**

Normal clean up procedures.

### 13. DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:**

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

### 14. TRANSPORT INFORMATION

PRODUCT LABEL:	Bonded Abrasives & Grinding Wheels-Tic.
D.O.T. SHIPPING NAME:	N/A
TECHNICAL SHIPPING NAME:	N/A
D.O.T. HAZARD CLASS:	N/A
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:**

R36/37/38 - Irritating to eyes, respiratory system, and skin.

**S-Phrases:**

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36 - Wear suitable protective clothing.

**WHMIS Hazard Symbols:**

Class D2 - Materials Causing Other Toxic Effects





**16. OTHER INFORMATION**

PREPARED BY:	John Nicpon
APPROVED BY:	John Nicpon
TITLE:	Quality Manager
APPROVAL DATE:	March 31, 2015
SUPERCEDES DATE:	May 31, 2013
RTN NUMBER:	00000117 (Official Copy)

**HMIS Rating:**

Health - 2  
 Flammability - 0  
 Reactivity - 0

**NFPA Rating:**

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

**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 SAFETY DATA SHEET**

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