SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification
Product Name: Ti-Gleam (Ticonium)
Product Number: 341
Chemical Name: Polishing Compound
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 1-703-527-3887 (CHEMTREC)

2. HAZARDS IDENTIFICATION

```
*****************   EMERGENCY OVERVIEW   *****************
*                                                       *
*                      CAUTION                          *
*                                                       *
*  Avoid eye contact.  Avoid inhalation.                *
*                                                       *
*********************************************************
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EYE:
Causes eye irritation.

SKIN:
May cause irritation to skin.

INHALATION:
May cause irritation of the upper respiratory passages.

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

CARCINOGENICITY INFORMATION:
No known cancer hazards.

3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

Chemical Name	Amount	CAS Number
STEARIC ACID	15.0 – 33.0 %	57–11–4
FATTY ACIDS	15.0 – 33.0 %	555–43–1
GLYCERIDES	15.0 – 33.0 %	68424–60–2
PETROLEUM WAXES	1.0 – 3.0 %	8002–74–2
ALUMINUM OXIDE, DUST	47.0 – 79.0 %	1344–28–1
CALCIUM CARBONATE	18.0 – 20.0 %	471–34–1

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:
Hold eyelids apart and flush eyes with plenty of water for at least 15
minutes.

SKIN CONTACT FIRST AID:
Wash skin with soap and water.

INHALATION FIRST AID:
Remove from area of exposure.

INGESTION FIRST AID:
Induce vomiting by sticking finger down throat.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES
COC 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

EXTINGUISHING MEDIA:
Water fog, carbon dioxide or dry chemical.

(section 5 continued)

FIRE FIGHTING INSTRUCTIONS:
Water may cause violent frothing requiring full facepiece and
self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

LARGE SPILLS PROCEDURE:
Sweep material into containers. Buffing wheel wastes may contain wheel
lint which is combustible.

SMALL SPILLS PROCEDURE:
Same as large spill.

7. HANDLING AND STORAGE

STORAGE PRECAUTIONS:
Store at room temperature.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE / FACE PROTECTION REQUIREMENTS:
Eye protection on grinders.

SKIN PROTECTION REQUIREMENTS:
Not required.

RESPIRATORY PROTECTION REQUIREMENTS:
Polisher & grinders should be equipped with suction.

EXPOSURE GUIDELINES:
    PETROLEUM WAXES
        OSHA TWA: 2 mg/m^3
    ALUMINUM OXIDE, DUST
        OSHA PEL: 10 mg/m^3
        OSHA TWA: 10 mg/m^3
    CALCIUM CARBONATE
        OSHA TWA: 10 mg/m^3

9. PHYSICAL AND CHEMICAL PROPERTIES

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FORM ..................: Solid Stick
ODOR ..................: Mild Waxy
SOLUBILITY IN WATER ...: Insoluble
SPECIFIC GRAVITY ......: More than 1.2 (Water = 1)
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10. STABILITY AND REACTIVITY

STABILITY:
Stable.

POLYMERIZATION:
Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:
Incompatable with strong alkalies like sodium hydroxide.

CONDITIONS TO AVOID:
Keep out of sun. Keep away from heat.

11. TOXICOLOGICAL INFORMATION

PETROLEUM WAXES
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Test Code:  TDLO
Species:  Rat
Results:  120 mg/kg produced tumorigenic effects in the kidneys,
      ureter and bladder (bladder tumors).
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ALUMINUM OXIDE, DUST
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Test Code:  TDLO
Species:  Rat
Results:  90 mg/kg (implant)
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CALCIUM CARBONATE
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Test Code:  Oral LD50
Species:  Rat
Results:  6450 mg/kg

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

Test Code:  Acute Dermal Exposure
Species:  Rabbit
Results:  500 mg/24 hr produced moderate skin irritation.
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(section 11 continued)

         Test Code: Eye
         Species: Rabbit
         Results: 750 micrograms/24 hr produce severe irritation.

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. TRANSPORT INFORMATION

PRODUCT LABEL ....: Ti-Gleam (Ticonium)
D.O.T. SHIPPING NAME ...: Non-toxic, Non-hazardous

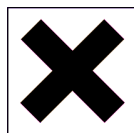## 15. REGULATORY INFORMATION

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:
S15 – Keep away from heat.
S22 – Do not breathe dust.

(section 15 continued)

WHMIS Hazard Symbols:
None

Canadian Disclosure List
     STEARIC ACID (57-11-4)
     ALUMINUM OXIDE, DUST (1344-28-1)

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

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REASON FOR ISSUE ...:  add current date to MSDS
PREPARED BY ........:  Phyll Tabone
APPROVED BY ........:  John Nicpon
TITLE ..............:  Quality Manager
APPROVAL DATE ......:  November 4, 2013
SUPERCEDES DATE ....:  May 11, 2006
RTN NUMBER .........:  00000121  (Official Copy)
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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
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