

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Ti-Cor (Tic 2000)
Product Number: 62175
Chemical Name: Polishing or Buffing compound
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. 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
QUARTZ (SILICA DUST)	12.0 - 14.0 %	14808-60-7

(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.

CHRONIC EFFECTS:
Injury to Pulmonary System may result due to long term 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

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

FLAMMABLE PROPERTIES:

None.

EXTINGUISHING MEDIA:

In case of fire, use water fog, dry chemical or carbon dioxide.

FIRE & EXPLOSION HAZARDS:

None.

FIRE FIGHTING INSTRUCTIONS:

Water may cause violent frothing requiring full facepiece and self-contained breathing apparatus, NFPA health hazard not established.

COMBUSTION PRODUCTS:

None.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Wear appropriate personal protective equipment.

LARGE SPILLS PROCEDURE:

In case of spill, 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

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:

Use eye protection on the grinders to avoid eye injury.

SKIN PROTECTION REQUIREMENTS:

Not required.

RESPIRATORY PROTECTION REQUIREMENTS:

polishers and grinders should be equipped with suction.

EXPOSURE GUIDELINES:

PETROLEUM WAXES

OSHA TWA: 2 mg/m³

ALUMINUM OXIDE, DUST

OSHA PEL: 10 mg/m³

OSHA TWA: 10 mg/m³

QUARTZ (SILICA DUST)

OSHA PEL: .1 mg/m³

OSHA TWA: .1 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

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

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Product will not undergo polymerization.



(section 10 continued)

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

CHRONIC EFFECTS /:

May cause respiratory disease.

PETROLEUM WAXES

Test Code: TDLO

Species: Rat

Results: 120 mg/kg produced tumorigenic effects in the kidneys, ureter and bladder (bladder tumors).

ALUMINUM OXIDE, DUST

Test Code: TDLO

Species: Rat

Results: 90 mg/kg (implant)

Test Code: TDLO

Species: Rat

Results: 200 mg/kg

QUARTZ (SILICA DUST)

Test Code: TCLO

Species: Human

Results: 6 mppcf/17.9 yrs. produces pulmonary fibrosis, cough and difficult breathing.

QUARTZ (SIO2)

Test Code: LCLO

Species: Human

Results: 300 micrograms/m³/10 yr effects the liver.

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: Ti-Cor (Tic 2000)
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:

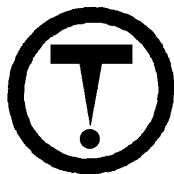
None

S-Phrases:

S3 - Keep in a cool place.

WHMIS Hazard Symbols:

Class D2 - Materials Causing Other Toxic Effects, Class F - Dangerously Reactive Material



Canadian Disclosure List

ALUMINUM OXIDE, DUST (1344-28-1)
QUARTZ (SILICA DUST) (14808-60-7)

SARA Title III - Section 313

ALUMINUM OXIDE, DUST (1344-28-1)
QUARTZ (SILICA DUST) (14808-60-7) --



(section 15 continued)

Title V

ALUMINUM OXIDE, DUST (1344-28-1)

16. OTHER INFORMATION

PREPARED BY: Regina Lane
APPROVED BY: Abdul Khan
TITLE: Q. C. Manager
APPROVAL DATE: April 17, 2003
SUPERCEDES DATE ...: September 28, 1999
MSDS NUMBER: 62175
RTN NUMBER: 00000288 (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

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