

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Ti-Cor (Ticonium)
Product Number: 314
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. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

DANGER: May cause respiratory irritation. Causes eye irritation.

GHS Classification:

Target Organ Systemic Toxicity-Single Exposure Category 3
Target Organ Systemic Toxicity - Repeated Exposure, Category 1
Serious Eye Damage/Eye Irritation, Category 2B

GHS Hazard Symbols:

Irritant, Health Hazard



GHS Hazard Statements:

H335 - May cause respiratory irritation.
H320-Causes eye irritation.

GHS Precautionary Statements:

P102 - Keep out of reach of children.
P103 - Read label before use.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.



P262 - Do not get in eyes, on skin, or on clothing.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P264 - Wash hands thoroughly after handling.

EYE:

Causes serious eye irritation.

SKIN:

Health injuries are not known or expected under normal use.

INHALATION:

May cause nose, throat, and lung irritation.

INGESTION:

Health injuries are not known or expected under normal use.

REPRODUCTIVE HAZARDS:

None.

CARCINOGENICITY INFORMATION:

No known cancer hazards.

3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

Chemical Name	Amount	CAS Number
ALUMINUM OXIDE	81.0 - 85.0 %	1344-28-1

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:

Flush eyes with large amounts of fresh, tepid water for at least 15 minutes. Hold eyelids open to ensure complete irrigation of eye and lid tissue. Tilt head to the side and irrigate the eye from the bridge of the nose to the outside of the face. Keep run-off from entering the other eye, mouth or ear. Wash eye within the first few seconds is essential to achieve maximum effectiveness. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

SKIN CONTACT FIRST AID:

Brush off loose excess material. Flush thoroughly with fresh, tepid water for 15 minutes. Discard contaminated clothing and footwear or wash before reuse. If skin irritation occurs: Get medical advice/attention.

INHALATION FIRST AID:

Immediately move victim to fresh air. If experiencing respiratory symptoms: Get immediate medical advice/attention.

INGESTION FIRST AID:



Do not induce vomiting. Rinse mouth with fresh, tepid water, then immediately drink 4-8 oz. of milk or water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep airways open. Keep head lower than hips to prevent aspiration into the lungs. Get medical advice/attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

COC Flash Point: None
TCC Flash Point: None
Autoignition Temperature: None

FLAMMABLE LIMITS IN AIR

LEL: N/A
UEL: N/A

FLAMMABLE PROPERTIES:

No data available.

EXTINGUISHING MEDIA:

Dry chemical, CO₂, sand, earth, water spray or regular foam.

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):

Safety glasses, rubber or neoprene gloves. Wear chemical protective clothing.

INITIAL CONTAINMENT:

Vacuum or sweep up material and place into a suitable disposal container.

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

HANDLING (PERSONNEL):

Use care in handling/storage. Wash hands thoroughly after handling.

HANDLING (PHYSICAL ASPECTS):

Store in a cool dry area.

STORAGE PRECAUTIONS:

Protect containers from physical damage.



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:

Eye protection is recommended to be on the grinders.

SKIN PROTECTION REQUIREMENTS:

Not required.

RESPIRATORY PROTECTION REQUIREMENTS:

Polishers and grinders should be equipped with suction.

EXPOSURE GUIDELINES:

ALUMINUM OXIDE

OSHA PEL: 10 mg/m³

OSHA TWA: 10 mg/m³

MISCELLANEOUS:

Use good local exhaust at processing equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Solid Cake
COLOR:	Dark Grey
ODOR:	Mild, Waxy
SOLUBILITY IN WATER:	Slight
SPECIFIC GRAVITY:	more than 1.2 (Water = 1)

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Product will not undergo polymerization.

INCOMPATIBILITY WITH OTHER MATERIALS:

No data available.

DECOMPOSITION:

Decomposition will not occur.

CONDITIONS TO AVOID:

Keep out of sun and Keep away from heat.

11. TOXICOLOGICAL INFORMATION



EYE EFFECTS:

Causes serious eye irritation.

SKIN EFFECTS:

Health injuries are not known or expected under normal use.

ACUTE ORAL EFFECTS:

Health injuries are not known or expected under normal use.

ACUTE INHALATION EFFECTS:

Respiratory irritation, cough.

ALUMINUM OXIDE, DUST

Test Code: TDLO

Species: Rat

Results: 200 mg/kg

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE:

This product has no known ecotoxicological effects.

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-Cor (Titanium)
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:

S1 - Keep locked up.

S3/9 - Keep in a cool, well-ventilated place.

WHMIS Hazard Symbols:

Class F - Dangerously Reactive Material



Canadian Disclosure List

ALUMINUM OXIDE (1344-28-1)

SARA Title III - Section 313

Ti-Cor (Ticonium) (BLEND) --
ALUMINUM OXIDE (1344-28-1)

RCRA Hazardous Substances

Ti-Cor (Ticonium) (BLEND) --

Title V

ALUMINUM OXIDE (1344-28-1)

CA Proposition 65

Ti-Cor (Ticonium) (BLEND)

16. OTHER INFORMATION

REASON FOR ISSUE:	Add current date to MSDS
PREPARED BY:	John Nicpon
APPROVED BY:	John Nicpon
TITLE:	Quality Manager
APPROVAL DATE:	June 8, 2015
SUPERCEDES DATE:	November 4, 2013
RTN NUMBER:	00000120 (Official Copy)

HMS Rating:

Health - 2
Flammability - 0
Reactivity - 0



Personal Protection Index - E

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

