

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: CB-30 Investment Powder - Ticonium
Product Number: 62151, 62152, 62154, 62155,
62097, 62096-25
Chemical Name: Silicon Dioxide
Chemical Family: Silica Quartz
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

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***** EMERGENCY OVERVIEW *****
*
* WARNING *
*
* Persons with impaired pulmonary function should not *
* be exposed to excessive airborne concentrations. *
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EYE:

Causes eye irritation.

SKIN:

May cause skin irritation.

INHALATION:

Causes respiratory tract irritation.

INGESTION:

Ingestion is not considered a potential route of exposure.



(section 2 continued)

SIGNS AND SYMPTOMS OF EXPOSURE:

Undue breathlessness, cough, sputum production, pain in the chest area.

CHRONIC EFFECTS:

Prolonged exposure may cause delayed injury to the pulmonary system.

REPRODUCTIVE HAZARDS:

None.

CARCINOGENICITY INFORMATION:

Suspect cancer hazard (contains material which) may cause cancer.

MEDICAL CONDITIONS AGRAVATED BY EXPOSURE:

Individuals with pulmonary problems will be more susceptible to effects due to exposure.

3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
SILICON DIOXIDE (SILICA)	35.0 - 55.0 %	14808-60-7
CRISTOBALITE	20.0 - 40.0 %	14464-46-1
MAGNESIUM OXIDE	0.0 - 20.0 %	1309-48-4

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, chronic hazards.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

In case of contact, immediately flush eyes with plenty of water, lifting upper and lower lids, for at least 15 minutes.

SKIN CONTACT FIRST AID:

Wash skin with soap and water.

If cool wax contacts skin, wash with warm soapy water.

INHALATION FIRST AID:

If inhaled, remove to fresh air. If breathing is difficult, administer oxygen. Contact a physician.



(section 4 continued)

INGESTION FIRST AID:

Ingestion is not considered a potential route of exposure.

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:

Non-flammable.

FIRE & EXPLOSION HAZARDS:

None.

FIRE FIGHTING INSTRUCTIONS:

None.

COMBUSTION PRODUCTS:

None.

6. ACCIDENTAL RELEASE MEASURES

LARGE SPILLS PROCEDURE:

Vacuum spilled material or collect in the most convenient dustless safe manner.

Wear respirator and protective clothing as appropriate. Shut off source of leak. Dike & contain. Allow wax to cool and remove as solid.

SMALL SPILLS PROCEDURE:

Same as large spill.

7. HANDLING AND STORAGE

STORAGE PRECAUTIONS:



(section 7 continued)

Store in a dry and well ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE / FACE PROTECTION REQUIREMENTS:

Use safety glasses or chemical splash goggles.

SKIN PROTECTION REQUIREMENTS:

Wear work gloves.

RESPIRATORY PROTECTION REQUIREMENTS:

If exposure exceeds exposure limits, use NIOSH approved respirator.

MISCELLANEOUS:

Use general or local ventillation.

EXPOSURE GUIDELINES:

SILICON DIOXIDE (SILICA)

OSHA TWA: 10 mg/m³

CRISTOBALITE

OSHA PEL: 10 mg/m³

OSHA TWA: 10 mg/m³

MAGNESIUM OXIDE

OSHA PEL: 15 mg/m³

ACGIH TWA: 10 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Granular Particles

ODOR: No odor

BOILING POINT: 4000 F

SPECIFIC GRAVITY ...: 2.65 (Water = 1)

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Product will not undergo polymerization.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid contact with hydroflouric acid.



11. TOXICOLOGICAL INFORMATION

MAGNESIUM OXIDE

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

QUARTZ (SIO2)

Test Code: LCLO
Species: Human
Results: 300 micrograms/m³/10 yr affects the liver.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

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

14. TRANSPORT INFORMATION

PRODUCT LABEL: CB-30 Investment Powder - Ticonium
D.O.T. SHIPPING NAME: Silica sands - nonflammable solid.
TECHNICAL SHIPPING NAME ...: N/A
D.O.T. HAZARD CLASS: N/A
UN NUMBER: N/A

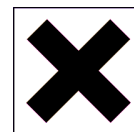
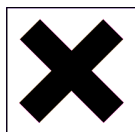
15. REGULATORY INFORMATION

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:

Harmful (Xn), Irritant (Xi)



(section 15 continued)

R-Phrases:

R36/38 - Irritating to eyes and skin.
R37 - Irritating to respiratory system.
R20 - Harmful by inhalation.

S-Phrases:

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

WHMIS Hazard Symbols:

Class D2 - Materials Causing Other Toxic Effects



Canadian Disclosure List

SILICON DIOXIDE (SILICA) (14808-60-7)
CRISTOBALITE (14464-46-1)
MAGNESIUM OXIDE (1309-48-4)

SARA Title III - Section 313

SILICON DIOXIDE (SILICA) (14808-60-7) --

CA Proposition 65

SILICON DIOXIDE (SILICA) (14808-60-7)
CRISTOBALITE (14464-46-1)

16. OTHER INFORMATION

PREPARED BY: John Nicpon
APPROVED BY: John Nicpon
TITLE: Quality Manager
APPROVAL DATE: June 3, 2013
SUPERCEDES DATE ...: March 17, 2003
RTN NUMBER: 00000089 (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

