

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Dental Plaster - Ticonium
Product Number: 130, 185
Chemical Family: Calcium Sulfate
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> |
|----------------------------------|----------------|-------------------|
| PLASTER OF PARIS | 80.0 - 100.0 % | 7778-18-9 |
| CALCIUM CARBONATE | 0.0 - 5.0 % | 471-34-1 |
| PORTLAND CEMENT KILN DUST | 0.0 - 5.0 % | 65997-15-1 |
| LIME | 0.0 - 3.0 % | 1305-62-0 |
| HYDROXY ETHYL ETHER OF CELLULOSE | 0.0 - 2.0 % | 9004-62-0 |
| POLYVINYL ALCOHOL | 0.0 - 2.0 % | 9002-89-5 |
| STARCH | 0.0 - 2.0 % | 9005-25-8 |
| SULFONATED NAPHTHALENE CONDENSED | 0.0 - 0.8 % | 9069-79-8 |
| ALUMINUM SULFATE | 0.0 - 0.5 % | 10043-01-3 |
| SODIUM CITRATE | 0.0 - 0.5 % | 68-04-2 |
| AMMONIUM TARTRATE | 0.0 - 0.3 % | 87-69-4 |
| HYDROLYZED PROTEIN | 0.0 - 0.3 % | 73049-73-7 |
| MONOSODIUM PHOSPHATE | 0.0 - 0.2 % | 7558-80-7 |
| SODIUM NAPHTHALENE SULFONATE | 0.0 - 0.2 % | 9084-06-4 |
| POTASSIUM SULFATE | 0.0 - 0.5 % | N/A |
| METHYLHYDROXYPROPYL CELLULOSE | 0.0 - 0.1 % | 9004-65-3 |

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

HAZARDS DISCLOSURE

UNCONTROLLED DOCUMENT



(section 2 continued)

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

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*****      EMERGENCY OVERVIEW      *****
*
*                               CAUTION                               *
*
* Large amounts in contact with the skin may develop                *
* sufficient heat to burn.                                           *
*
*****

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NFPA Rating - **Health:**
 Flammability:
 Reactivity:
 Special Hazard: **N/A**

POTENTIAL HEALTH EFFECTS

EYE:
May cause slight irritation.

SKIN:
Causes severe skin burns. May cause skin irritation.

INHALATION:
Irritating to the nose, throat, and respiratory tract.

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

REPRODUCTIVE HAZARDS:
None.

CARCINOGENICITY INFORMATION:
No known cancer hazards.

MEDICAL CONDITIONS AGRAVATED BY EXPOSURE:
Pre - existing upper respiratory and lung disease such as, but not limited to, Bronchitis, Emphysema and Asthma.

UNCONTROLLED DOCUMENT



4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

Flush eye with water for 15 minutes.

SKIN CONTACT FIRST AID:

Immediately wash skin with plenty of water.

INHALATION FIRST AID:

If breathing is difficult, remove to fresh air. Seek medical attention.

INGESTION FIRST AID:

If swallowed, immediately give 2 glasses of water.

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:

Sweep or vacuum material from spillage into a waste container for disposal. Avoid dusting conditions. Slurry may plug drains.



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:

Store in a dry area.

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:

Although not necessary, wear protective gloves to minimize skin contact. Wash hands thoroughly after handling.

RESPIRATORY PROTECTION REQUIREMENTS:

If airborne concentrations exceed the OSHA TWA, a NIOSH approved dust mask is recommended.



(section 8 continued)

EXPOSURE GUIDELINES:

PLASTER OF PARIS

OSHA PEL: 5 mg/m³
OSHA TWA: 10 mg/m³

CALCIUM CARBONATE

OSHA TWA: 10 mg/m³

PORTLAND CEMENT KILN DUST

OSHA TWA: 10 mg/m³

LIME

OSHA TWA: 5 mg/m³

STARCH

OSHA PEL: 15 mg/m³
OSHA TWA: 10 mg/m³

SULFONATED NAPHTHALENE CONDENSED

OSHA TWA: 10 mg/m³

ALUMINUM SULFATE

OSHA TWA: 2 mg/m³

CALCIUM LIGNOSULFONATE

OSHA TWA: 10 mg/m³

TRIBUTYL PHOSPHATE

OSHA PEL: 5 mg/m³
OSHA TWA: 2.2 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Powder
COLOR: White
ODOR: Faint Odor
SOLUBILITY IN WATER ...: Slight (0.2%)
SPECIFIC GRAVITY: 2.6-3.2 (Water = 1)

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Product will not undergo polymerization.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid contact with acids.

DECOMPOSITION:

Hazardous decomposition products will occur above 1450°C. SO₂ & CaO.



11. TOXICOLOGICAL INFORMATION

No information available.

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: Dental Plaster - Ticonium
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:

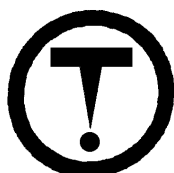
None

S-Phrases:

S3 - Keep in a cool place.

WHMIS Hazard Symbols:

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



(section 15 continued)

Canadian Disclosure List

LIME (1305-62-0)
TRIBUTYL PHOSPHATE (126-73-8)

CERCLA Hazardous Substances

ALUMINUM SULFATE (10043-01-3) -- RQ 5000 lb

16. OTHER INFORMATION

PREPARED BY: Ylvonne Thomas
APPROVED BY: Abdul Khan
TITLE: Q. C. Manager
APPROVAL DATE: April 17, 2003
SUPERCEDES DATE ...: August 14, 1997
MSDS NUMBER: 130 185
RTN NUMBER: 00000078 (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

