

Plasmaterials, Inc.
 2268 Research Drive
 Livermore, CA 94550
 Ph: (925) 447-4030 Fx: (925) 447-4031
<http://plasmaterials.com>

MATERIAL SAFETY DATA SHEET

Section 1- PRODUCT IDENTIFICATION

| | |
|--------------------------|--------------------------------|
| COMPOSITION Ca | PRODUCT NAME Calcium |
|--------------------------|--------------------------------|

Section 2- HAZARDOUS INGREDIENTS

Note: Products under normal conditions do not represent an inhalation, ingestion or contact health hazard.

| MATERIAL OR COMPONENT | CAS NUMBER | WT% | EXPOSURE LIMITS | |
|-----------------------|------------------|-----|------------------|------------------|
| | | | OSHA PEL (Mg/M3) | ACGIH TLV(MG/M3) |
| Calcium | 7440-70-2 | | NE | NE |

Section 3- PHYSICAL DATA

| | |
|--|---|
| MATERIAL IS (AT NORMAL CONDITIONS) <input type="checkbox"/> Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Gas <input type="checkbox"/> Other | APPEARANCE AND ODOR Gray metallic solid, no odor except when reacted with water to produce ammonia. |
| MELTING POINT (BASE METAL) N/A | SPECIFIC GRAVITY 1.55g/cc |

Section 4- FIRE AND EXPLOSION

| | | | |
|--|--------------------------------|-------------------|-------------------|
| Flash Point (Method Used) N/A | Flammable Limits N/A | LEL N/A | UEL N/A |
| EXTINGUISHING MEDIA Dry Chemical | | | |
| SPECIAL FIRED FIGHTING PROCEDURES Do not use water, wear SCBA, when heated or in contact with moisture, hydrogen is evolved. Heat may ignite hydrogen. | | | |
| UNUSUAL FIRE AND EXPLOSION HAZARDS Temperature: Finely divided calcium is considered pyrophoric and will cause an explosion when an ignition source is supplied. | | | |

Section 5- REACTIVITY DATA

| | |
|--|--|
| STABILITY Stable | INCOMPATABILITY (MATERIALS TO AVOID) N/A |
| CONDITIONS TO AVOID Becomes unstable when exposed to water, alkali-metal, hydroxides & carbonates. | |
| HAZARDOUS DECOMPOISTION PRODUCTS Hydrogen & Calcium Hydroxide | |

Section 6- HEALTH HAZARD GUIDE

MAJOR EXPOSURE HAZARD

Inhalation Skin Skin Absorption Eye Contact Ingestion

EFFECTS OF OVEREXPOSURE

Permissible exposure limit: No exposure limits published.

Irritation: Skin & eyes severe.

Corrosivity: Skin & eyes (may cause blindness)

Sensitization: N/A

Lung Effects: Irritant and possibly corrosive.

EMERGENCY & FIRST AID PROCEDURES

INHALATION: Remove from exposed area to fresh air; give oxygen if breathing is difficult.

INGESTION: Seek medical attention. Never induce vomiting or give anything by mouth to an unconscious person.

SKIN CONTACT: Wipe excess from skin, wash affected area with soap and large amounts of water for at least 15 minutes.

EYE CONTACT: Flush eyes with lukewarm water lifting up the upper and lower lids for at least fifteen minutes. Seek medical attention.

Section 7- SPILL OR LEAK PROCEDURES

SPILL OR LEAK PROCUDRES

Sweep or scoop up and remove. Prevent spread or spill. Wear protective clothing; keep in sealed containers. Avoid inhalation of dust. Avoid contact with water. Keep ignition sources away.

WASTE DISPOSAL METHODS

Consult federal, state and local authorities for proper disposal procedures. Contains chemical substance to the reporting of section 313 of Emergency Planning Act.

Section 8- SPECIAL PROTECTION

RESPIRATORY

Use only NIOSH/MESA approved equipment: filter dust, fume & mist. Other preventive equipment adequate to prevent contact.

VENTILATION

Local Exhaust: Always maintain exposure below permissible exposure limits.

EYE PROTECTION & PROTECTIVE CLOTHING

Face shield, goggles, hand (glove type) natural rubber or leather.

Section 9- SPECIAL PRECAUTIONS

Precautionary Labeling:

Wash thoroughly after handling. Try to avoid contact (eyes & skin). Do not breathe dust, vapor, mist or gas. Keep container closed at all times when not using. Keep away from heat, sparks and open flames. Keep dry. Store in tightly closed containers.

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