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## MATERIAL SAFETY DATA SHEET

### Section 1- PRODUCT IDENTIFICATION

COMPOSITION <b>Ca</b>	PRODUCT NAME <b>Calcium</b>
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### 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)
<b>Calcium</b>	<b>7440-70-2</b>		<b>NE</b>	<b>NE</b>

### 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	APPERANCE AND ODOR <b>Gray metallic solid, no odor except when reacted with water to produce ammonia.</b>
MELTING POINT (BASE METAL) <b>N/A</b>	SPECIFIC GRAVITY <b>1.55g/cc</b>

### Section 4- FIRE AND EXPLOSION

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

### Section 5- REACTIVITY DATA

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

## 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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