

MATERIAL SAFETY DATA SHEET

CHEMICAL NAME & SYNONYMS CALCIUM METAL		FLINN CATALOG NUMBER C0007, C0008, C0009, C0345
FORMULA Ca	FORMULA OR ATOMIC WEIGHT 40.08	CAS NUMBER 7440-70-2
PHYSICAL DATA (DENSITY, SOLUBILITY, ETC.) Specific Gravity: 1.55 Melting Point: 842 C Alkaline earth element. Soluble in acid. Decomposes water to liberated hydrogen.		
APPEARANCE AND ODOR Gray, metallic solid. Oxidizes in air.		
COMPATIBLE CHEMICAL FAMILY Inorganic #1 See Flinn Chemical Catalog/Reference Manual	DOT CLASS Flammable Solid	REACTIVITY Unstable
CONDITIONS TO AVOID (IF ANY): Water, acids, oxidizing agents. Contact with water will evolve extremely flammable hydrogen gas. Store inside a metal can to avoid water contact. Metal can will also act as a miniature flammables cabinet.		
HEALTH HAZARDS (IF ANY): Causes burns when in contact with water. Not all health aspects of this substance have been fully investigated.		THRESHOLD LIMIT VALUE (TLV) IF ESTABLISHED None Established
FIRE HAZARDS (IF ANY): Violent reaction with water. Produces hydrogen. Use Class D or Met-L-X as a fire extinguisher. Also use dry sand. Avoid water contact. Flammable solid.		
SPILLS AND LEAKS: Gather up material in a pile (do not sweep). Place in a suitable container. Use the disposal method listed on the right.		DISPOSAL METHOD 3 See Flinn Chemical Catalog Reference Manual
SPECIAL PRECAUTIONS (IF ANY): Wear chemical gloves and goggles. Use and dispense in a hood. Prudent lab practices should be observed. Store in a flammable cabinet.		
FIRST AID (IF SUBSTANCE DANGEROUS): External: Wash affected parts with copious quantities of water. Internal: Wash mouth; see a physician. Eyes: Wash continuously for 15 minutes. See a physician.		
Consult your copy of the Flinn Chemical Catalog/Reference Manual for even more information about laboratory chemicals		

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Materials listed in this MSDS are classified in accordance with the definitions set forth in 29CFR parts 1915, 1916 and 1917.

Date: 2/1/87

Date Revised: 1/3/89

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