

Section V -- REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Moisture, CO ₂ , air, heat, flames, ignition sources and incompatibles.
	Stable	X		
Incompatibility (Materials to Avoid)	Acids, air, alcohol, asbestos cement, halogens, lead dichloride phosphorous pentoxide, silicon, sodium, mixed oxides, sulfur, water. Contact with alkali metal hydroxides, carbonates may cause detonation.			
Hazardous Decomposition or Byproducts	Hydrogen, caustic calcium oxide, calcium hydroxide.			
Hazardous Polymerization	May Occur		Conditions to Avoid	N/A
	Will Not Occur	X		

Section VI -- Health Hazard Data

Route(s) of Entry:	Inhalation?	X	Skin?	X	Ingestion?	X
Health Hazards (Acute and Chronic)	Acute: Corrosive. Eye/skin burns. Irritation to/damaging effects on mucous membranes. Chronic: Prolonged inhalation of dust or fume may cause severe mucous membrane irritation, chemical pneumonitis.					
Carcinogenicity:	NTP?	Not known, not anticipated.	ARC Monographs?	N/A	OSHA Regulated?	N/A
Signs and Symptoms of Exposure	Inhalation: Damaging to mucous membranes. Respiratory irritation, labored breathing. May cause lung edema, a medical emergency. Skin/Eye Contact: Corrosive. Symptoms of redness, pain, and severe burn can occur. Ingestion: Abdominal pain or stricture, nausea, vomiting, diarrhea. Large amounts may have a corrosive effect.					
Medical Conditions Generally Aggravated by Exposure	Pulmonary disease.					
Emergency and First Aid Procedures	Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep patient quiet in half upright position. Get a physician immediately. Skin contact: Remove contaminated clothing and shoes. Wipe off excess material from skin. Immediately flush skin with plenty of water for at least 15 minutes. Get medical attention. Eye contact: Flush copiously with water for 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately. Ingestion: Do not induce vomiting. If conscious, give large quantities of water. Get medical attention immediately. Never give anything by mouth to an unconscious person.					

Section VII -- Precautions for Safe Handling and Use

Steps to Be taken in Case Material is Released or Spilled	Collect spilled material quickly and transfer to a container of kerosene, light oil or similar hydrocarbon fluid for recovery. Minimize exposure to air. Do not use water on metal. If the spill has come into contact with water, proceed cautiously. The reaction can rapidly proceed to self-ignition of hydrogen and spattering of molten calcium. Evacuate the area, put on protective equipment and proceed as with a metal fire.
Waste Disposal Method	Waste calcium should be packaged under a hydrocarbon fluid and disposed of in accordance with federal, state and local regulations.
Precautions to be Taken in Handling and Storing	Keep in a tightly closed container, stored in a cool, dry ventilated area. Protect against physical damage. Keep away from water or locations where water may be needed for fire. Avoid high temperatures. Store under nitrogen or kerosene. Never store under halogenated hydrocarbons. A detached fire-resistive building is recommended for quantity storage. Isolate from air, acids, and oxidizing materials.
Other Precautions	Containers of this material may be hazardous when empty since they retain product residues (dusts, solids); observe all warnings and precautions listed for the product. Do not permit eating or smoking in areas in which calcium is handled or stored.

Section VIII -- Control Measures

Respiratory Protection (Specify Type)	NIOSH-approved self-contained breathing apparatus.	Special	N/A
Ventilation	Local Exhaust	Yes and/ or mechanical.	Other
	Mechanical (General)	Yes and/or local.	N/A
Protective Gloves	Rubber gloves.	Eye Protection	Chemical safety goggles. Eyewash fountain.
Other Protective Clothing or Equipment	Impervious protective clothing, including boots, as appropriate to prevent skin contact.		
Work/Hygienic Practices	Use caution in handling. Maintain quick-drench facility in work area.		