

Section V -- REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	High heat.
	Stable	X		

Incompatibility (*Materials to Avoid*) **Sodium peroxide mixed with AL and MG reactive.**

Hazardous Decomposition or Byproducts **In the presence of an electrical discharge.**

Hazardous Polymerization	May Occur		Conditions to Avoid	N/A
	Will Not Occur	X		

Section VI -- Health Hazard Data

Route(s) of Entry:	Inhalation?	Yes	Skin?	Yes	Ingestion?	No
Health Hazards (<i>Acute and Chronic</i>)	CO₂ is an asphyxiant. High concentrations can produce paralysis of the respiratory control center of the nervous system. 2-3% will increase respiration. >4% will produce labored breathing and is dangerous for even a few minutes. >12% causes rapid breathing and death. As gas escapes, cylinder freezes. May cause freeze burns on skin.					
Carcinogenicity:	NTP?	No	ARC Monographs?	No	OSHA Regulated?	No
Signs and Symptoms of Exposure	Faint "acidic" taste, headache, dizziness, shortness of breath, muscular weakness, drowsiness, and ringing of the ears.					
Medical Conditions Generally Aggravated by Exposure	Individuals with chronic pre-existing respiratory diseases or heart disorder should refrain from breathing excessive carbon dioxide. Recovery is usually rapid from short term overexposure.					
Emergency and First Aid Procedures	Inhalation: Remove to fresh air. Give oxygen/CPR if needed. Rescue personnel should wear self-contained breathing apparatus with full-face mask. Skin: Immediately flush with copious amounts of water for 15 minutes. Cylinder freezes as gas escapes.					

Section VII -- Precautions for Safe Handling and Use

Steps to Be taken in Case Material is Released or Spilled	Remove personnel. Ventilate area. Wear self-contained breathing apparatus. Move leaking container outdoors if without risk. Slowly release into atmosphere with adequate ventilation.
Waste Disposal Method	Dispose of in compliance with local, state and federal regulations.
Precautions to be Taken in Handling and Storing	Store CO₂ cylinders (with safety caps installed) upright in a cool, dry location, away from chemicals.
Other Precautions	Wear protective gloves. Possible freeze burns due to dry ice.

Section VIII -- Control Measures

Respiratory Protection (<i>Specify Type</i>)	NIOSH-approved respirator or dust mask when concentrations exceed PEL.	Special	None
Ventilation	Local Exhaust	X	Other
	Mechanical (<i>General</i>)	If needed to keep exposure levels below	
Protective Gloves	Leather gloves.	Eye Protection	Safety glasses or full-face shield.
Other Protective Clothing or Equipment	Self-contained breathing apparatus.		
Work/Hygienic Practices	Keep safety valves in good working condition. Keep debris and unnecessary equipment away from CO₂ cylinders. Close valves when not in use and when empty. Verify sufficient oxygen concentration.		