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MSDS No.: SSC0269
 Effective Date: August 7, 2002

24 HOUR EMERGENCY ASSISTANCE

MATERIAL SAFETY DATA SHEET

4217

SB109024

SECTION I **NAME** **INGREDIENTS OF MIXTURES**

Product	309JUMBENZOATE	ChemTREC	Health	1
Chemical Synonyms	Benzic Acid Sodium Salt	800-424-4300	Fine	0
Formula	C ₆ H ₅ CO ₂ Na	Dry 55-226-5177	Reactivity	0
Unit Size	up to 2.5 Kg.			
C.A.S. No.	592-32-1			
SECTION II		HAZARD RATINGS		
		HEALTH	FLAMM	REACT
		0	1	2
				3
				4
SECTION III		TLV Units		
Principal Component(s)		%		
Sodium Benzoate		100%		None established.
Free Benzoic Acid		- 0.1%		None established.

CAUTION!
 DO NOT BREATHE DUST. MAY CAUSE IRRITATION.

SECTION III **PHYSICAL DATA**

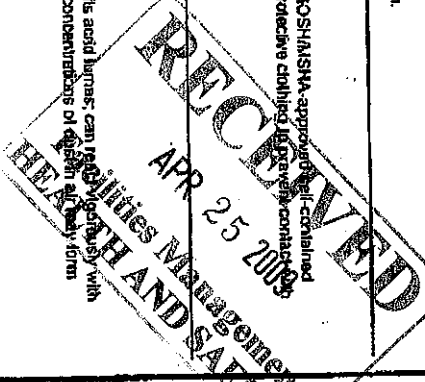
Melting Point (°F)	> 300°C (572°F)	Specific Gravity (H ₂ O = 1)	1.44 at 25/25°C
Boiling Point (°F)	Decomposes.	Percent Volatile by Mass (H ₂)	Non-volatile.
Vapor Pressure (mm Hg)	Negligible as solid.	Explosion Limit (Lower)	Non-volatile.
Vapor Density (Air=1)	Data not listed.	Explosion Limit (Upper)	Non-volatile.
Solubility in Water	55%		
Appearance & Odor	White lumps, granular or powder, no odor, hygroscopic.		

SECTION IV **FIRE AND EXPLOSION HAZARD DATA**

Flash Point (Method Used)	Non-fermentable.	Flammable Limits in Air	Unknown
Extinguisher	Dry chemical, carbon dioxide, water spray or foam.	% by Volume	Lower Upper

SPECIAL FIREFIGHTING PROCEDURES
 In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

UNUSUAL FIRE AND EXPLOSION HAZARDS
 Fire or excessive heat emits acid fumes; can react violently with oxidizing materials. High concentrations of dust can form explosive mixture.



SECTION V **HEALTH HAZARD DATA**

Section V Limited Value
 None established (ACGIH 1992-93).
 Toxicity: Oral-TD₅₀ 4070 mg/kg; Inj-Fat LD₅₀ 1714 U/kg.

Effects of Overexposure
 Slight irritation, may cause symptoms of respiratory irritation. Prolonged contact may cause drying of skin. Inhalation of dust may cause irritation of mucous membranes. Ingestion of several grams or more can cause gastrointestinal irritation. Large doses of 6 to 10 grams by mouth may cause nausea and vomiting. Target organs: None known.

Emergency and First Aid Procedures
INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. **EYES:** Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. **IRRITATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SECTION VI **REACTIVITY DATA**

Stability	Unstable	X	Conditions to Avoid	Excessive temperature, heat, and direct sunlight
	Stable			
Incompatibility (Materials to Avoid)		Strong oxidizers and acids.		
Hazardous Decomposition Products		Burning may produce irritating vapors and carbon monoxide.		
Hazardous Polymerization		None applicable.		
May Occur With Not Occur		X		

SECTION VII **SPILL OR LEAK PROCEDURES**

Steps to be taken in case material is released or spilled
 Remove all sources of ignition. Wearing proper protective clothing, avoid making dust, sweep up and place in a suitable container for disposal. Flush area with water.

Waste Disposal Method
 Ditching, incineration, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of calcium-sulfate quads only. Incinerate in a suitable furnace, or bury in an approved landfill. Observe local, state and federal regulations. Do not contaminate any streams, lakes or ponds.

SECTION VIII **SPECIAL PROTECTION INFORMATION**

Respiration, Protection (Specify Type)	None needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask.
Ventilation	Local Exhaust: Not ordinarily required. Special: No. Other: No.
Protective Gloves	Gloves to minimize skin contact. Eye Protection: Chemical safety glasses.
Other Protective Equipment	Goggles, smock, apron, proper gloves, eye wash station, ventilation hood.

SECTION IX **SPECIAL PRECAUTIONS**

Precautions to be Taken in Handling & Storing
 Store in a cool, dry place away from heat, incompatible materials and direct sunlight. Wash thoroughly after handling.
Other Precautions
 Do not breathe dust. Use adequate ventilation. Remove and wash contaminated clothing. Avoid contact with eyes, skin and clothing.

D.O.T. Non-regulated.
 Approved by U.S. Department of Labor "essentially similar" to form OSHA-203