


MATERIAL SAFETY DATA SHEET

CABO

SECTION I	NAME	24 HOUR EMERGENCY ASSISTANCE
Product	SODIUM BROMIDE	 <p>CHEMTREC 800-424-9300 Day 716-226-6177 Night 716-334-4222</p> <p>NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4</p> <p>HMIS * Health 1 Fire 0 Reactivity 0</p>
Chemical Synonyms	Sedoneural	
Formula	NaBr	
Unit(s) Size	up to 2.5 Kg.	
C.A.S. No.	7647-15-6	

SECTION II	HAZARDOUS INGREDIENTS OF MIXTURES	
Principal Hazardous Component(s)	%	TLV Units
Sodium Bromide	97% min.	See Section V.
Sodium Chloride: (CAS No. 7647-14-5)	0.5%	None established.
Water: (CAS No. 7732-18-5)	3%	

WARNING! HARMFUL IF SWALLOWED OR INHALED.

SECTION III	PHYSICAL DATA		
Melting Point (°F)	755°C (1391°F)	Specific Gravity (H ₂ O = 1)	3.203 at 25°C
Boiling Point (°F)	1391°C (2534°F)	Percent Volatile by Volume (%)	Non-volatile (NA).
Vapor Pressure (mm Hg)	1 mm at 1483°F	Evaporation Rate (n-Butyl Acetate = 1)	Non-volatile (NA).
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	95 grams per 100 mL. water at 77°F.		
Appearance & Odor	White crystalline or powdered solid; no odor.		

SECTION IV	FIRE AND EXPLOSION HAZARD DATA			
Flash Point (Method Used)	Non-combustible (NA).	Flammable Limits in Air % by Volume	NA	Lower Upper
Extinguisher Media	Use any media suitable for extinguishing supporting fire.			

SPECIAL FIREFIGHTING PROCEDURES

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

UNUSUAL FIRE AND EXPLOSION HAZARDS

Thermal decomposition or burning may produce highly corrosive hydrogen bromide gas and/or bromine gas.

SECTION V HEALTH HAZARD DATA

Threshold Limited Value None established. (ACGIH 1983-84). Toxicity Data: Oral LD50 in rats reported to be 3.5 g/kg. Intraperitoneal LD50 in mice reported to be 5 g/kg.

Effects of Overexposure Prolonged and excessive inhalation of dusts or ingestion may produce rashes, depression, emaciation and, in severe cases, psychoses and mental deterioration. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

INGESTION: If swallowed, if conscious, give one or two glasses of water to drink. Induce vomiting and call physician. Never give anything by mouth to an unconscious person. **EYES:** Flush eyes with plenty of water, lifting lower and upper eyelids occasionally. Get medical attention. **SKIN:** Flush with water, then wash with mild soap and water. **INHALATION:** Remove to fresh air. Get medical attention if ill effects develop.

SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	In presence of strong acids can liberate hydrogen bromide; in presence of strong oxidants can liberate bromine.
	Stable		X
Incompatibility (Materials to Avoid)		Avoid contact with strong acids or strong oxidants.	
Hazardous Decomposition Products		Thermal decomposition or burning may produce hydrogen bromide gas and/or bromine gas.	
Hazardous Polymerization		Conditions to Avoid	
May Occur	Will Not Occur	Not applicable.	
	X		

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled

Recover for use if not contaminated. Dissolve in water and flush to sewer with copious amounts of water.

Waste Disposal Method Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. Solutions resulting from flushing spills or leaks can safely be disposed of through sewage systems except where local regulations may prohibit such disposal.

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-approved dust mask or respirator.		
Ventilation	Local Exhaust	Recommended.	Special No.
	Mechanical (General)	Recommended.	Other No.
Protective Gloves	Rubber for repeated exposure.	Eye Protection	Chemical safety glasses.
Other Protective Equipment	Smock, apron, eye wash station, ventilation hood.		

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing

Store in a cool, dry place.
Wash thoroughly after handling.
Keep container tightly closed when not in use.

Other Precautions Read label on container before using. Do not wear contact lenses when working with chemicals.

Gloves are usually not necessary unless open skin is present. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Rev. No. No. 3 Date 12/15/94 Approved Michael Raszeja Chemical Safety Coordinator MR

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