

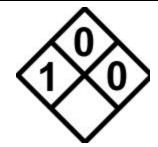
HASA SODIUM BROMIDE

Material Safety Data Sheet

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CHEMICAL DATA	
Synonyms: Bromide salt of sodium; natrium bromide	
Chemical Family: Alkali metal halide	
Formula: NaBr	
Molecular Weight: 102.9	
CAS Registry Number: 7647-15-6	

	INGREDIENTS (Typical analysis – not a specification)
Sodium Bromide – 98%	

PHYSICAL DATA				
Boiling Point:	1390° C	Melting point:	775° C	
Vapor Pressure:	1 mm Hg at 805° C Vapor Density: Not Applicable.			
Specific Gravity:	3.21 Evaporation Rate: None at ambient temperature.			
Solubility:	In water: 95 g/100 g at 25° C			
	In other solvents: 7 g/100 g in 95% ethanol			
Decomposition:	Decomposes from ca. 800° C, with the release of toxic, irritant bromine fumes.			
Appearance & Odor:	White, odorless crystalline solid; hygroscopic, but not deliquescent.			

FIRE AND EXPLOSION HAZARD DATA		
Flash Point:	None	
Flammable (explosive) limits:	Will not support combustion.	
Autoignition Point:	None	
Extinguishing Media:	Use extinguishing media appropriate to surrounding conditions.	
Special Fire Fighting Procedures:	Cool containers with water spray. In closed stores, provide fire fighters with self-contained breathing apparatus (in pressure demand or other positive pressure mode).	
Unusual Fire and Explosion Hazards:	From ca. 800° C will decompose, releasing toxic bromine fumes.	

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HEALTH HAZARD DATA			
Toxicity:	HEALTH HAZARD DATA LD₅₀ (Oral, Rat): 4200 mg/kg LD₅₀ (Dermal, Rabbit): 2000 mg/kg e: Not established.		
Threshold limit value:	Not established.		

Effects of	Overexposure:	
Acute:	Eye Contact:	Mild, non-persistent, conjunctival irritation.
Skin Contact:		Non-irritant to intact skin. Slight irritant, on prolonged contact, to abraded skin.
	Skin Absorption:	None via intact skin
	Ingestion:	May produce depression, sedation and confusion. After prolonged exposure, may produce non-persistent acne-like skin rash.
Chronic:	Ingestion:	Repeated ingestion may cause bromism, emaciation, depression, mental deterioration, with acne-like skin rash.
Mutagenicity: Not Mutagenic.		Not Mutagenic.

Emergency	Emergency and First Aid procedures:		
Eye Contact:	Holding the eyelids apart, flush eyes promptly with copious flowing water for at least 15 minutes. Get medical attention if irritation persists.		
Skin	Remove contaminated clothing. Wash skin thoroughly with mild soap and plenty of water for		
Contact:	at least 15 minutes. Wash clothing before re-use. Get medical attention if irritation occurs.		
Inhalation:	In case of dust inhalation or breathing fumes releases by NaBr at high temperatures, remove person to fresh air. Keep him quiet and warm. Apply artificial respiration if necessary and get medical attention.		
Ingestion:	If swallowed, give two glasses of water and induce vomiting. Get medical attention. DO NOT INDUCE VOMITING or give liquids to an unconscious person.		

REACTIVITY DATA		
Stability:	Stable under normal conditions.	
Conditions to avoid:	Heating above 800° C	
Incompatibility:	Will react violently with bromine trifluoride.	
Hazardous decomposition products:	Will not occur.	

SPILL OR LEAK PROCEDURES			
Steps to be taken in Use dust respirator, rubber gloves and protective goggles with side-shields.			
case material is	case material is Prevent dusting; shovel into intact packaging for possible re-use, or dilute with		
released or spilled: water and drain to sewer with ample water.			
Waste Disposal Put into a large vessel containing water and drain into sewer with ample water			
Method:			

SPECIAL PROTECTION INFORMATION			
Ventilation Requirements:	Ventilation must be sufficient to maintain dust below 10 mg/m³ 8 hours TWA (the ACGIH recommended Threshold Limit Value for total dust).		
Protective	Eyes:	Chemical safety goggles	
Equipment:	Gloves:	Protective gloves	
	Respirator:	Dust respirator	
	Other protective equipment:	Body-covering clothes and boots.	

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SPECIAL PRECAUTIONS		
Precautions to be taken	Keep containers tightly closed. Store in a dry, cool location, away from BrF	
in handling and storage: acids, and alkaloidal and heavy metal salts.		
Other precautions:	Other precautions: Safety shower and eye bath should be provided. Do not eat, drink or smoke	
until after-work ablution.		

	REGULATION INFORMATION
Transportation:	IMO, UK, USA; Not regulated.
Status:	Reported in EPA TSCA Inventory, 1985
	Reported in EINECS
	Not listed in NTP
State Regulation	S:
	ITION 65 STATEMENT(California Only):
	o not swallow water in pools, hot tubs, or spas. Sodium Bromide(or "The active ingredient
	this product") may react with certain other substances in pool, hot tub, and spa waters
	om bromates. Bromates are known by the State of California to cause cancer when
	dministered by the oral (drinking or ingesting) route. Read and follow label directions and
u	se care when handling or using this product.
Т	his warning is provided pursuant to Proposition 65, the Safe Drinking Water and Toxic
	nforcement Act of 1986, chapter 6.6 of the California Health and Safety Code, which
	equires the Governor of California to publish a list of chemicals "known to the state to cause
	ancer or reproductive toxicity." This list is compiled in accordance with the procedures
е	stablished under the Proposition, and can be obtained on the internet from California's
	Office of Environmental Health Hazard Assessment at http://www.oehha.ca.gov. There are
	ver 700 chemical substances on this list.

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