

**MSDS - Material Safety Data Sheet****Product Name: Bromine Base (SPA)**

MSDS No.: 039905

**Part Numbers Covered:**

039905

**I. Basic Information:****Manufacturer:** WILLIAM H. HARVEY COMPANY**Address:** 4334 SOUTH 67TH STREET**City, ST Zip:** OMAHA, NE 68117-1019**Emergency Contact:** CHEMTREC**Emergency Telephone Number:** (800)424-9300**Contact:** Ray Rael / Jason Hertz**Information Telephone Number:** (800)228-9681**Last Update:** 12/21/2005**Expiration Date:****Chemical State:**  Liquid  Gas  Solid**Chemical Type:**  Pure  Mixture

1	Health
0	Flammability
0	Reactivity
E	Pers. Protection

**II. Ingredients:** Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z	313					
7647-15-6	Sodium Bromide							NE	NE	NE	

**III. Hazardous Identification:****Hazard Category:**
 Acute  Chronic  Fire  Pressure  Reactive
**Hazardous Identification Information:**

EMERGENCY OVERVIEW: A white fine crystal that presents little or no health hazard and no unusual hazard if involved in fire.

**POTENTIAL HEALTH EFFECTS:**

Skin: May cause skin irritation.

Eyes: May cause irritation or burning.

Inhalation: May cause irritation to the respiratory tract.

Ingestion: Not a hazard with normal industrial usage.

CARCINOGENICITY: Not Identifiable.

**IV. First Aid Measures:****Route(s) of Entry:**

Skin and inhalation

# MSDS - Material Safety Data Sheet

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MSDS No.: 039905

### Health Hazards (Acute and Chronic):

irritant: Skin, eye, inhalation. Inhalation may cause decreased breathing capacity/asthma. Ingestion may cause irritation, nausea, vomiting, diarrhea,

### Signs and Symptoms:

Irritation to skin, eyes, and respiratory system.

### Medical Conditions Generally Aggravated by Exposure:

Overexposure may aggravate disorders of the respiratory system and skin.

### Emergency and First Aid Procedures:

Skin: Immediately wash skin with soap and water for at least 15 minutes.

Eyes: Immediately flush with plenty of water for 15 - 20 minutes. Remove contacts if present after first 5 minutes, then continue flushing.

Inhalation: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: Wash out mouth with water.

ON ALL OF THE ABOVE: Consult physician if symptoms persist.

Skin. Flush with water for 15 minutes while removing contaminated clothing and shoes. Thoroughly clean clothing and shoes before reuse. Call a physician.

Inhalation: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

EMERGENCY FIRST AID CALL: 1-303-623-5716 COLLECT

Ingestion: DO NOT induce vomiting. Rinse mouth with water. Dilute stomach content by drinking water. Call physician immediately.

### Other Health Warnings:

Not Indicated.

## V. Fire Fighting Measures:

Flash Point: NI

Lower Explosive Limit: NI

Upper Explosive Limit:

F.P. Method:

Fire Extinguishing Media: Product is not combustible. Use media that is appropriate to treat surrounding fire.

### Special Fire Fighting Procedures:

Use fire fighting procedure that is appropriate to treat surrounding fire. All firefighters should use self contained breathing apparatus and full fire-fighting turn-out gear.

### Unusual Fire and Explosion:

During a fire irritating and highly toxic gasses may be generated by thermal decomposition or combustion.

Auto Ignition Temperature: Not Applicable.

## VI. Accidental Release Measures:

### Steps to be Taken in Case Material is Released or Spilled:

Isolate hazard area and deny entry to unnecessary and unprotected personnel. Contain spill, sweep up, collect and place in a disposal container. Avoid runoff into storm sewers and ditches which lead to waterways.

## VII. Handling and Storage:

### Precautions to be Taken:

Avoid contact with skin, eyes and clothing. Use with adequate ventilation. Avoid breathing dust. Use normal personal hygiene and housekeeping. Store in cool dry area away from other incompatible materials. Product is slightly hygroscopic and should be stored in a dry area to prevent moisture pick up and caking.

### Other Precautions:

# MSDS - Material Safety Data Sheet

## Product Name: Bromine Base (SPA)

### MSDS No.: 039905

Wear protective equipment when handling. Use only with adequate ventilation. Wash thoroughly after handling. Do not breathe dust. Do not get in eyes, on skin, or clothing.  
Do not swallow.

### VIII. Exposure Controls/Personal Protection:

#### Ventilation Requirements:

Ventilate as necessary to eliminate dust from the work area and maintain concentrations below the limit.

#### Personal Protective Equipment:

RESPIRATORY PROTECTION; Use NIOSH/MSHA approved respirators.

SKIN AND EYE PROTECTION: Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin and eyes from dust.

WORK, HYGIENIC PRACTICES: As required to protect skin and eyes from dust, safety showers and/or eye wash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

EXPOSURE LIMITS: None Established

### IX. Physical and Chemical Properties:

Boiling Point: NA

Melting Point: ~747°F.

Evaporation Rate (Butyl Acetate = 1): NA

Vapor Pressure (mm Hg.): NA

Specific Gravity (H<sub>2</sub>O = 1): 3.21000

Vapor Density (AIR = 1): NA

Solubility In Water: Not Available

Appearance and Odor: White Fine Crystal / Chlorine like

Other Information:

### X. Stability and Reactivity:

#### Stability:

Stable under normal temperatures and pressures.

#### Incompatibility (Materials to Avoid):

Keep away from strong acids and oxidizing agents.

#### Decomposition/By Products:

Hydrogen Bromide gas.

#### Hazardous Polymerization:

Will not occur under normal conditions.

### XI. Toxicological Information:

Oral Rat LD 50 3500 mg/kg

### XII. Ecological Information:

No data available.

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## **XIII. Disposal Considerations:**

Dispose of in accordance with all federal, state and local regulations.

RCRA WASTE #: Not Listed.

## **XIV. Transport Information:**

D.O.T. SHIPPING NAME: Sodium Bromide

D.O.T. HAZARD CLASS: Not Regulated

## **XV. Regulatory Information:**

OSHA STATUS: Not Listed

TSCA STATUS: Listed

CERCLA REPORTABLE REQUIREMENTS: (RQ) None

SARA TITLE III INFORMATION:

Section 302 Extremely Hazardous Substance: Not Listed

Section 313 Toxic Chemicals: Not Listed

Section 311/312 Hazard Category: Not considered a hazard.

## **XVI. Other Information:**

ABBREVIATIONS:

NA = NOT APPLICABLE NI = NONE INDICATED NDA = NO DATA AVAILABLE

NE = NOT ESTABLISHED C = CELSIUS DEGREES F = FAHRENHEIT DEGREES

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