

**APG****Analytical Products Group, Inc.**2730 Washington Blvd., Belpre, OH 45714  
740-423-4200 800-272-4442 Fax 740-423-5588**Material Safety Data Sheet**

Date prepared on: 7/1/05

Last revised on: 1/20/08

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**Section I: Product Identification**

|                      |                       |
|----------------------|-----------------------|
| CATALOG NUMBER: 4850 | PRODUCT NAME: Bromide |
|----------------------|-----------------------|

**Section II - Hazardous Ingredients/Identity Information**

| Chemical Name                                    | CAS Reg. No. | OSHA PEL (TWA) | % Composition* |
|--|--------------|----------------|----------------|
| No hazardous component greater than 1% by weight |              |                |                |
|  |              |                |                |

**Non-Hazardous Ingredients/Identity Information**

| Chemical Name          | CAS Reg. No. | OSHA PEL (TWA) | % Composition* |
|------------------------|--------------|----------------|----------------|
| Water, Inorganic salts |              |                | 100%           |
|                        |              |                |                |

\* Components are calculated on a weight/weight basis.

**Section III - Physical/Chemical Characteristics**

|                                 |                                 |   |  |
|---------------------------------|---------------------------------|---|--|
| BOILING POINT: >100 C           | SPECIFIC GRAVITY: (water=1) 1.0 |   |  |
| VAPOR PRESSURE: 760 mm at 100 C | SOLUBILITY IN WATER: Complete   | APPEARANCE/ODOR: Clear, colorless, and odorless liquid. |  |

**Section IV - Fire and Explosion Hazard Data**

|  |  |                                   |        |        |
|--|--|-----------------------------------|--------|--------|
| FLASH POINT (Method used): Not available   | AUTO IGNITION TEMPERATURE: Not available | FLAMMABLE LIMITS<br>Not available | LEL NA | UEL NA |
| EXTINGUISHING MEDIA: Non-flammable, use extinguisher media appropriate for surrounding the fire. |  |                                   |        |        |
| SPECIAL FIRE FIGHTING PROCEDURES: NA   |  |                                   |        |        |
| UNUSUAL FIRE AND EXPLOSION HAZARDS: NA   |  |                                   |        |        |

**Section V - Reactivity Data**

|   |                                    |  |                                 |
|---|------------------------------------|--|---------------------------------|
| STABILITY:  | Unstable <input type="checkbox"/>  | Stable <input checked="" type="checkbox"/>         | Conditions to Avoid: None known |
| INCOMPATIBILITY (Materials to avoid):<br>Water reactive materials |                                    |  |                                 |
| HAZARDOUS DECOMPOSITION PRODUCTS: None known                      |                                    |  |                                 |
| HAZARDOUS POLYMERIZATION:   | May Occur <input type="checkbox"/> | Will Not Occur <input checked="" type="checkbox"/> | Conditions to Avoid: NA         |

**Section VI - Health Hazard Data**

|   |                |           |                |
|---|----------------|-----------|----------------|
| <b>ROUTES OF ENTRY</b>  | Inhalation? No | Skin? Yes | Ingestion? Yes |
| HEALTH HAZARDS (Acute and Chronic): ACUTE: None known CHRONIC: None known   |                |           |                |
| COMPONENTS LISTED AS CARCINOGENS OR POTENTIAL CARCINOGENS: None known   |                |           |                |
| SIGNS AND SYMPTOMS OF EXPOSURE: None known  |                |           |                |
| MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known   |                |           |                |
| EMERGENCY AND FIRST AID PROCEDURES: Seek medical assistance for treatment, observation and support if necessary. EYE CONTACT: Flush with water.<br>SKIN CONTACT: Flush with water. INHALATION: N/A INGESTION: Drink excess water to dilute salts in system. |                |           |                |

### Section VII - Precautions for Safe Handling and Use

|   |
|---|
| STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb and dispose of material |
| WASTE DISPOSAL METHOD: Dispose as non-hazardous waste, may be flushed to sewer.           |
| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Treat as non-hazardous sample.           |
| OTHER PRECAUTIONS* Analytical standards should never be heated or evaporated to dryness.  |

### Section VIII - Control Measures

|  |                                |
|--|--------------------------------|
| RESPIRATORY PROTECTION (Please specify): None required                         |                                |
| VENTILATION: Local exhaust   |                                |
| PROTECTIVE GLOVES: None required   | EYE PROTECTION: Safety glasses |
| OTHER PROTECTIVE EQUIPMENT: NA   |                                |
| EMERGENCY WASH FACILITIES: Maintain eye and quick drench showers in work area. |                                |

### Section IX – WHMIS Class – Not Hazardous

The information stated in this Material Safety Data Sheet (MSDS) is believed to be correct on the date of publication and must not be considered all conclusive. The information has been obtained only by a search of available literature and is only a guide for handling the chemicals. Persons not specifically and properly trained should not handle this chemical or its container. This MSDS is provided without any warranty expressed or implied, including merchantability or fitness for any particular purpose.

This product is furnished for laboratory use ONLY! Our standards may not be used as drugs, cosmetics, agricultural or pesticidal products, food additives or as house hold chemicals.

\* Various Government agencies (i.e., Department of Transportation, Occupational Safety and Health Administration, Environmental Protection Agency, and others) may have specific regulations concerning the transportation, handling, storage or use of this product which may not be contained herein. The customer or user of this product should be familiar with these regulations.