HB2
Stabilized hypobromous acid precursor for sanitizing meat and poultry products during processing

Properties
HB2 solution is a colorless to pale yellow, corrosive liquid with low odor. It has no distinguishable odor at use concentrations.

Applications
HB2 solution is a precursor ingredient, which upon activation by a source of hypochlorite, generates a pH-neutral, stabilized hypobromous acid solution. This can be used at a level not to exceed 300 ppm of available bromine in water or ice applied to meat products, and not to exceed 200 ppm of available bromine in water or ice applied to poultry products. This product is registered with the FDA under Food Contact Substance Notification number 944. HB2 is manufactured under strict food grade conditions using only food grade materials. Stabilized hypobromous acid is designed to be used as a microbiocide in order to decrease the incidence of pathogenic organisms on the food, and/or help reduce the number of food spoilage organisms normally present during the processing of meat and poultry food items. The HB2 product is custom manufactured and labeled specifically for the customers of Enviro Tech Chemical Services. It is not available through other channels of distribution.

Physical Properties
- Color: Colorless, clear to pale yellow
- Scent: Low
- Density (20 °C): 1.21 g/mL (10.1 lbs/gal)
- pH (1%): 1.68
- Solubility in water: 100%
- Reactivity in water: Not water reactive
- Viscosity at 25 °C (mm²/sec): 0.96
- Boiling point: 126 °C (259 °F)
- Freezing point: –63 °C (–81.4 °F)
- Vapor density (air = 1): 1.4
- Shelf life: 2 years minimum

General Specifications
- Hydrobromic acid assay: 24%
- Other ingredients: 76%
- Residue on ignition (%): 0.02 max
- Sulfate & sulfite, as sulfate (%): 0.01 max
- Chloride (%): 0.05 max
- Heavy metals, as lead (%): 0.0005 max
- Iron (%): 0.0001 max
| **Identity** | Hydrobromic acid, 25%  
Synonyms: Hydrogen bromide, aqueous hydrobromic acid  
Chemical family: aqueous hydrogen halide  
CAS Registry No.: 100-35-10-6  
Molecular formula: HBr, H₂O |
| **Directions for Use** | Directions |
| **Packaging** | This product is available in 310 gallon HDPE totes (3100 lbs. net). |
| **Transport (DOT)** | Proper shipping name: Corrosive liquid, acidic, inorganic n.o.s. (hydrogen bromide)  
Hazard class: 8  
UN number: UN 3264  
Label/placard: Corrosive  
Packing group: II |
| **Storage and Handling** | Store in a cool, dry environment in the original container. Do not store in direct sunlight and keep away from strong bases and oxidizing substances.  
For specific safety and handling information, please refer to the material safety data sheet, available upon request. |

**Important**: Read and understand label and Safety Data Sheet (SDS) for complete listing of hazards, precautions, first aid statements, and storage and handling information. SDS are available from the distributor of this product. 24-Hour Emergency Response Line 1-800-255-3924.