



HB2

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

TECHNICAL DATA

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 (mm ² /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

Prod. #653

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IDENTITY

<u>Hydrobromic acid,</u>	<u>25%</u>
<u>Synonyms:</u>	<u>Hydrogen bromide, aqueous hydrobromic acid</u>
<u>Chemical family:</u>	<u>aqueous hydrogen halide</u>
<u>CAS Registry No.:</u>	<u>100-35-10-6</u>
<u>Molecular formula:</u>	<u>HBr, H2O</u>

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)

<u>Hazard class:</u>	<u>8</u>
<u>UN number:</u>	<u>UN 3264</u>
<u>Label/placard:</u>	<u>Corrosive</u>
<u>Packing group:</u>	<u>II</u>

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.

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