



HB3

Stabilized hypobromous acid precursor for sanitizing meat and poultry

Properties

HB3 solution is a colorless to pale yellow, corrosive liquid with low odor. It has no distinguishable odor at use concentrations.

Applications

HB3 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. HB3 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 HB3 product is custom manufactured and labeled specifically for the customers of Enviro Tech Chemical Services. It is not available through other channels of distribution.

Identity

Hydrobromic Acid, 24%

Synonyms: Hydrogen bromide; Aqueous hydrobromic acid

Chemical Family: Aqueous hydrogen halide

CAS Registry No.: 10035-10-6

Molecular Formula: HBr, H₂O

UN Shipping No.: UN 3264

Physical Properties

Color	Clear, pale yellow
Scent	Slight pungent odor
Density (20 °C)	1.21 g/mL (10.1 lbs/gal)
pH (1%)	<2
Viscosity (25 °C)	0.96 mm ² /s
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	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
Packaging	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.	

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 1-800-424-9300.

Prod. #655

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