



## HYDRIODIC ACID (HI)

### DESCRIPTION

Hydriodic acid is a strong acid solution of hydrogen iodide in water at nominal concentrations of 47% and 57%. It is available as in unstabilized or stabilized\* product. Hydriodic acid is used as a catalyst in the manufacture of acetic acid, as a pharmaceutical intermediate, in various disinfectant/sanitization formulations including teat dips for mastitis control, and in the preparation of organic and inorganic iodides .

### CHEMICAL AND PHYSICAL PROPERTIES

Types:	Unstabilized or Stabilized*
Appearance:	Unstabilized- light reddish brown liquid Stabilized – clear to slight yellow liquid
Molecular Weight:	127.9 g/mol
Typical Concentrations:	47% or 57%
Specific Gravity at 20/20°C:	47% - 1.53 57%- 1.70
Typical Analysis:	Meets or exceeds ACS specifications

### APPLICATIONS

- Catalyst for manufacture of acetic acid
- Chemical and pharmaceutical intermediate
- Disinfectant and sanitization formulations including mastitis control products
- Preparation of organic and inorganic iodides





**PACKAGING AND SHIPPING**

- Hydriodic Acid solutions are shipped in black high density polyethylene drums
- Typical Package Sizes:
  - 5 gallon – 70 pounds
  - 35 gallon – 400 lbs or 200kg
  - 55 gallon – 750 lbs
- Hydriodic acid is a Class 8 Corrosive shipped as UN1787 packing group II

**For further information on product safety please consult the product MSDS**

\*HI is stabilized with hypophosphorus acid with a 1.5% maximum



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