

HYDROBROMIC ACID

PRODUCT IDENTIFICATION

CAS NO. 10035-10-6

EINECS NO. 233-113-0

FORMULA HBr

MOL WT. 80.91

H.S. CODE 2811.19

TOXICITY

SYNONYMS HBr; Hydrogen Bromide, Anhydrous;

Acide bromhydrique; Acido bromidrico; Bromowodor; Bromwasserstoff; Broomwaterstof; Hydrogen Bromide Solution; Hydrogenbromid (Dutch); Bromuro de hidrogeno (Spanish); Bromure d'hydrogene (French);

DERIVATION

CLASSIFICATION

PHYSICAL AND CHEMICAL PROPERTIES (50%)

PHYSICAL STATE clear to yellow liquid

MELTING POINT -10 C

BOILING POINT 122 C

SPECIFIC GRAVITY 1.5

SOLUBILITY IN WATER soluble

pH

VAPOR DENSITY 2.8

AUTOIGNITION

NAPA RATINGS Health: 3 Flammability: 0 Reactivity: 0

REFRACTIVE INDEX

FLASH POINT

STABILITY Stable under ordinary conditions

APPLICATIONS

HYDROBROMIC ACID is a clear or faintly yellow, highly acidic and corrosive aqueous solution of hydrogen bromide, HBr, used as an important agent in the industrial processes of isomerization, polymerization, hydration, and dehydration, as well as in the classical esterification reactions.

SALES SPECIFICATION

48% GRADE

APPEARANCE clear to yellow liquid

CONCENTRATION 48.0% min

FREE BROMINE 100 mg/kg max

CHLORIDE 50 mg/kg max

SULFATE 2 mg/kg max

IRON 10 mg/kg max

RESIDUE ON IGNITION 300 mg/kg max

TRANSPORTATION

PACKING 300kgs in drum

HAZARD CLASS 8 (Packing Group: II)

UN NO. 1788

OTHER INFORMATION

Hazard Symbols: C, Risk Phrases: 34-37, Safety Phrases: 7/9-26-45