



Product Specification

Product Name: BROMINE Liquid AR

Alternate Name(s) Bromine; Bromine solution.

Description

Very dark brown, heavy liquid with an extremely irritating odour.

Properties

Chemical Formula: Br₂
Molecular Weight: 159.81

Product Code: BA039
CAS No. 7726-95-6

General Information:

Incompatible with alkali hydroxides, arsenites, ferrous salts. Oxidant; may cause fire in contact with combustible materials. Highly corrosive to most metals. Solutions have the same properties to a lesser degree.

Quality Specification

Assay: 99.5% min.

Specific Properties and Impurities [Typical levels]:

Critical temperature	315 °C
Vapour Density (15 °C)	5.51
Solubility in Water (20 °C)	42 g/L
Density	~ 3.11 g/ml
Boiling point	59°C
Freezing Point	-7.3°C
Residue after evaporation	≤ 0.005%
Chlorine (Cl)	≤ 0.05%
Iodine (I)	≤ 0.001%
Sulfur compounds (as S)	≤ 0.001%
Heavy metals (as Pb)	≤ 0.0002%
Nickel (Ni)	≤ 0.0005%
Organic bromine compounds	Passes test

Hazard and Safety Data

UN Group: I
Class: 8
UN Number: 1744
Hazchem code: 2XE
CS MSDS Code: 1CH1E
Poison schedule: S7
Emergency
Procedure Guide No.: 37

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