



TECHNICAL DATA SHEET

Product name: Liquid Bromine



Specifications

Parameters	Specifications	Typical results
Appearance	A Clear Colorless to Pale Yellow Liquid Dark Reddish-Brown Liquid	A Clear Colorless to Pale Yellow Liquid Dark Reddish-Brown Liquid
Bromine {%}	99.72%	99.72%
Relative Density	3.09g/mL	3.09 g/mL
Moisture Content	NMT 40 ppm	Complies
Chlorine (% by Weight)	NMT 0.5%	0.16%
Non-Volatile matter (% by Weight)	NMT 0.05%	0.04%
Iodine (As I % by Weight)	NMT 0.05%	0.023%
Sulphate (As S04 % by Weight)	NMT 0.015%	0.015%

Stability and storage:

Liquid bromine (Br₂) is generally stable under standard conditions, meaning it's a liquid at room temperature and pressure. Liquid bromine should be stored in a cool place, ideally between 15 and 25°C. It's also important to prevent it from freezing, so storage temperatures should not fall below -7 °C

Recommended Storage: 15 - 25°C

Ensure adequate ventilation to prevent the buildup of bromine vapours. Keep containers tightly sealed to prevent leaks and exposure. Bromine should be stored in a cool, dry place, away from incompatible substances, as it can react with many materials

Application Areas:

Bromine is used as a disinfectant and sanitizer in swimming pools, hot tubs, and industrial water systems.

It helps to control the growth of bacteria, algae, and other microorganisms.

Bromine compounds are added to materials like furniture foam, plastic casings for electronics, and textiles to reduce their flammability.

It is used in the synthesis of certain pharmaceuticals and pharmaceutical intermediates.

General information

CAS No.	: 7726-95-6
IUPAC Name	: Bromine
Synonyms	: Dibromine, Bromine
EC No	: 231-778-1

Physical/Chemical properties:

Molecular Formula	: Br ₂
Molecular weight	: 159.81
Melting point	: 265.8
Boiling Point	: 332.0
Density	: 3.1028
Physical state at 20°C	: Liquid

Hazard classification & labelling:

Single Word : Danger

Pictogram :



Classification according to Regulation (EC) No 1272/2008: H314, H330, H400

Precautionary statement(s) : P301 + P330 + P331, P305 + P351 + P338, P310, P304 + P340, P273, P280.