



Zinc Bromide (Solid)

CAS No.: 7699-45-8
Formula: $\text{ZnBr}_2 \cdot 2\text{H}_2\text{O}$

DESCRIPTION

Zinc bromide solid is supplied as white crystalline grains or powder. It is used for on-site preparation of high-density brines. The solid grade dissolves readily in water to form clear solutions suitable for demanding oilfield and industrial applications. Quality is tightly controlled to ensure low impurity levels and high solubility.

KEY FEATURES

- White crystalline solid, free-flowing and highly soluble
- Excellent purity ($\geq 98\%$) for consistent performance
- Low chloride, sulfate, and insolubles
- Provides flexibility in solution preparation and transport

APPLICATIONS

- Make-up of clear brines for oil & gas completion/workover fluids
- Electrolyte feedstock in electroplating and electrochemical processes
- Intermediate in fine chemicals and catalyst systems
- Additive in select pigment and coatings formulations

TYPICAL SPECIFICATIONS

Parameter	Specification
Appearance	White grains or powder
Main Content (ZnBr_2)	$\geq 98.0\%$
Chloride (as Cl^-)	$\leq 1.0\%$
Sulfate (as SO_4^{2-})	$\leq 0.02\%$
pH (5% solution)	4 – 6
Bromate	No reaction
Lead (Pb)	≤ 100 ppm
Water-insolubles	$\leq 0.3\%$



**LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.**

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This document is subject to revision without notice as new data becomes available.

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PACKAGING

- 25 kg bags (~24 MT/20' container)
- Big bags available upon request

SHELF LIFE

24 months from production date when stored as directed. Re-test recommended if beyond shelf life or after packaging has been opened.

STORAGE

Store in tightly sealed packaging, in a cool, dry, well-ventilated area. Protect from humidity and incompatible substances (e.g., strong oxidizers).

SAFETY & HANDLING

Handle with PPE (gloves, goggles, protective clothing). Avoid dust generation, inhalation, and contact with skin/eyes. Ensure proper housekeeping and waste management. Refer to SDS for full safety guidance.