

Sodium Bromide

Description Sodium bromide solid is a white, crystalline, hygroscopic material.

Applications Sodium bromide is used as a solid or dissolved into a solution for the manufacture of various chemicals such as photographic chemicals and pharmaceutical intermediates, and for other applications such as clear completion fluids.

Specifications

Appearance	white, crystalline material
Assay, NaBr, wt%, min.	98.5
Chloride, wt%, max.	1.0
Loss on Drying, wt%, max.....	0.5
Sulfate, wt%, max	0.015
Transmittance @ 410nm, 20 w/v% solution, %, min	80
Fe, mg/kg, max	7.5
Ca, mg/kg, max	75
pH, 45.5% solution in DI water	6.0-8.0

Typical Properties

Density, 68 °F (20 °C), g/cm ³	3.20
Melting point, °F (°C), as indicated	1391 (755)
Solubility in water, g/100g of water, approx.	
@ 20 °C	90.8
@ 40 °C	107
@ 60 °C	118
@ 100 °C	121

Reference: Lange's Handbook of Chemistry, 16th Edition (2005)

Compatibility Sodium bromide is compatible with most non-metallic materials of construction such as polypropylene, polyethylene, fiberglass reinforced plastic (FRP), cellulose, cloth, coatings, rubbers, etc. Metals can also be used provided the sodium bromide is kept dry. If the sodium bromide becomes wet, steel will suffer general corrosion and stainless steels and aluminum will suffer pitting attack. The rates of attack will depend upon the amount of oxygen present but in general will not be rapid.

Shipping Information**Container Information**

1000 kg (2204.6 lb) supersacks
25 Kg (55.1 lb) bags, 40 bags per pallet

Shipping Classification

not regulated for transportation

Safety and Handling Information

For specific safety and handling information please refer to the current material safety data sheet.

Chemical Registration Numbers

CAS:	7647-15-6
EINECS:	231-599-9
MITI:	1-113
KECL:	KE-31368

For further information, please refer to the material safety data sheet.

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