

Mercury Control Sodium Bromide, Solid

DESCRIPTION

Sodium Bromide solid is a white, crystalline, hygroscopic material.

APPLICATIONS

Mercury Control Sodium Bromide can be used to enhance the oxidation of the elemental mercury that is present in flue gas environments at power generation units and incinerators. Oxidized mercury is more readily removable via conventional pollution processes and equipment.

SPECIFICATIONS

Appearance	white, crystalline material
Assay, NaBr, wt%, min	98.0
Chloride, wt%, max	1.0
Loss on Drying, wt%, max	0.5
pH, 45.5% solution in DI water	5 - 9

PHYSICAL PROPERTIES

Density, 68°F (20°C), g/cm ³ (lb/gal)	3.20
Melting point, °F (°C) as indicated	1391 (755)
Solubility in water, g/100g of water	
at 20°C	90.8
at 40°C	107
at 60°C	118
at 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: 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



NORTH AMERICA 4250 Congress Street, Suite 900 • Charlotte, NC 28209 • Tel: +1 980 299 5700
EUROPE Parc Scientifique Einstein, Rue du Bosquet 9, 1348 • Louvain-la-Neuve, Belgium • Tel: +32 10 48 17 11
LATIN AMERICA Av. Brigadeiro Faria Lima, 1461 – sala 131-B • Sao Paulo, SP Brazil, 01451-001 • Tel: +55 11 99655-2288
CHINA Room 3202, No. 757 Mengzi Road, Gopher Center, Huangpu District • Shanghai, PRC. 200023 • Tel: 86.21.6103.8666

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Albemarle Corporation and its subsidiaries to ensure the accuracy or reliability of the information. It is the responsibility of the user to comply with all applicable laws and regulations and to provide for a safe workplace. The user should consider all information contained herein only as a guide, and should take precautions that the user considers necessary or prudent to promote a safe work environment, such as considering all applicable health and safety hazards, developing safe work practice procedures and properly instructing employees. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the materials or processes mentioned herein in violation of existing or pending patents.