

Description

SANIBROM 45 biocide technical is a 45% solution of sodium bromide in water.

Applications

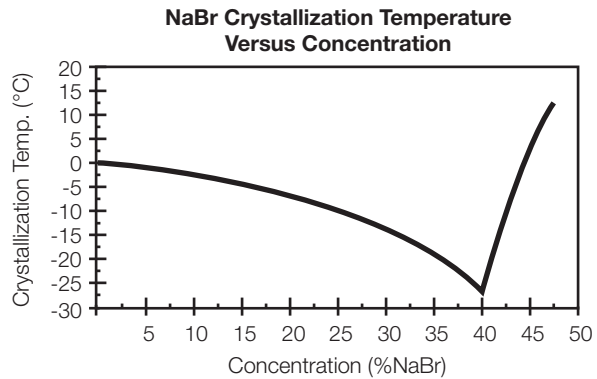
SANIBROM 45 biocide technical is an EPA-registered manufacturing-use product for formulation/repackaging use as a disinfectant, bactericide, fungicide, algicide, slimecide, and/or molluscicide in water treatment and in industrial products that control biofilm deposits. Reformulated or repackaged product must be registered with the EPA.

Specifications

Appearance clear
 Assay, NaBr, wt% 44.0 - 46.0
 pH (1:10 dilution) 7.0 - 9.0
 Specific gravity, 70 °F / 70 °F 1.470 - 1.510
 Color, APHA max. 30

Typical Properties

Appearance clear liquid, light yellow to water white
 Density, 70 °F (21 °C), lb/gal 12.3 - 12.6
 Boiling point, °F (°C), approx..... 241 (116)
 Viscosity, 70 °F (21 °C), cP 2.4
 Flash point..... none
 Odor mild
 Solubility in water complete



Compatibility

Materials of Construction

This product is compatible with most non-metallic materials of construction such as fiberglass-reinforced plastic (vinyl ester or polyester FRP), polyvinyl chloride (PVC), chlorinated polyvinyl chloride (CPVC), high density polyethylene, polypropylene, Viton®, Teflon®, natural rubber, chlorobutyl rubber, Hypalon®, HALAR® ECTFE, Tefzel® ETFE, and most high-performance PTFE-based gasket materials such as W.L. Gore GORE-TEX® GR, W.L. Gore UPG Style 800, and Garlock Gylon® Styles 3504 and 3500.

Titanium and high-nickel alloys such as Inconel® 625 & 686, and Hastelloy® C-22 & C-276 also are suitable materials of construction.

Incompatible Materials of Construction

The compatibility of this product with common metals depends on the storage conditions and the environment that the material is in. Aluminum, brass, carbon steel, copper, stainless steel and other common metals generally are not suitable for use. Carbon steel and copper can result in discoloration of the product. Aluminum suffers pitting attack. Dissolved oxygen increases the corrosion rate of stainless steel.

Recommended Materials of Construction for Storage Tanks

Vinyl Ester FRP such as Ashland Derakane® 411 or 470 is suitable for use, as is bisphenol A fumarate polyester FRP such as Reichhold Atlac® 6694.

Recommended Materials of Construction for Piping and Valves

For piping, an adhesive socket FRP system such as Reinforced Plastics Systems P150 series or Smith Fibercast® CL-2030 series is suitable. A flat-faced FRP ball valve such as the Nil-Cor® 310 series is a good choice for FRP piping. PP-lined steel also is suitable. For low-pressure lines (<5 psig) such as overflows and drain lines, solid PVC or CPVC piping can be used, but should be safeguarded from mechanical damage.

Shipping Information

Container Information

Available in bulk & drums

Shipping Classifications

Not regulated for transportation.

Safety and Handling Information

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

Regulatory Information

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

U.S. EPA Registration Number: 3377-28

Chemical Registration Numbers

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

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. 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 any health or safety hazards or information contained herein only as a guide, and should take those precautions which are necessary or prudent to instruct employees and to develop work practice procedures in order to promote a safe work environment. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein materials or processes in violation of existing or future patent.



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