

Description

WELLBROM 12.5 fluid is a clear brine completion fluid.

Applications

Because of its high density, WELLBROM 12.5 fluid is used extensively as a completion, fracturing, work-over and packer fluid in oil field applications.

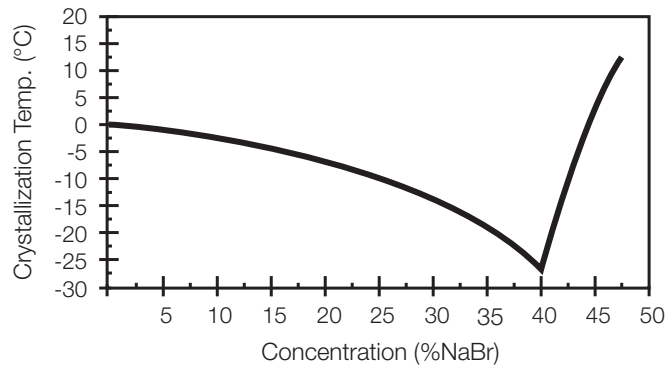
Specifications

Appearance clear
 Density, 70 °F (21.1 °C), lb/gal ≥ 12.3

Physical Properties

Appearance clear liquid, light to water white color
 Boiling point, °F (°C) 230 - 243 (110 - 117)
 Flash point none
 Odor slight
 Density, 70 °F (21.1 °C), g/mL ≥ 1.47
 Color, APHA ≤ 30
 pH (diluted 1:10 with water) 7.0 - 8.5

**NaBr Crystallization
Temperature Versus Concentration**



Materials of Construction

Compatible 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 & C276 also are suitable materials of construction.

Incompatible Materials of Construction The compatibility of this product with common metals depends on storage conditions and the environment the material is in. Aluminum, brass, carbon steel, copper, stainless steel and other common metals are generally 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 and 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 the Reinforced Plastics Systems P150 series or the 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 drains, solid PVC or CPVC piping can be used, but should be safeguarded from mechanical damage.

Shipping Information

Container Information

available in tank trailers and drums

Shipping Classification

not regulated for transportation

Safety and Handling Information

For specific safety, toxicity and handling information, please refer to the material safety data sheet on this product.

Chemical Registration Numbers

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

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