

# BioRID 46i BIOCIDES

## Product Data Sheet

### General Description

BioRID® 46i biocide, a clear brine fluid, is an aqueous sodium bromide solution.

### Applications

BioRID 46i biocide is intended for use as a disinfectant, sanitizer, slimicide, bactericide, algacide, fungicide, and molluscicide in the following applications:

- pulp and paper mills;
- waste water treatment systems;
- air wash water systems;
- re-circulating and once-through cooling water systems;
- evaporative condenser systems;
- sewage systems;
- heat exchanger systems;
- industrial processing water;
- industrial scrubbing systems;
- domestic and commercial non-potable water systems;
- influent systems and waste water systems for the control of aquatic environmental bacteria;
- slime forming algae; and
- bacteria, fungi and related odors.

BioRID 46i biocide must be used in combination with an oxidizer such as sodium hypochlorite (12.5%) or chlorine gas (99%) to produce hypobromous acid.

### Availability

BioRID 46i biocide is available from West Memphis, AR.

### Safety and Handling

BioRID 46i biocide is a strong salt solution. Wear appropriate protective, impervious clothing. Wear safety glasses with non-flexible side shields or chemical goggles for proper protection of the eyes. Wear appropriate protective non-leather protective gloves and boots. Chemical protective gloves and boots such as PVC or Nitrile are recommended. Leather products do not offer adequate protection and will dehydrate with resultant shrinkage and possible destruction. A respirator is not indicated under normal operating conditions. For misty conditions, wear a NIOSH-approved mist respirator. Before using this product, refer to the SDS which is available on the Company's website for complete safety and handling guidelines.

#### PHYSICAL PROPERTIES

<b>Appearance</b>	Clear, colorless solution
<b>Odor</b>	Odorless
<b>Assay</b>	44 to 47% by weight NaBr
<b>Crystallization Temperature</b>	27 to 65°F (-3 to 18°C)
<b>Flash Point</b>	None
<b>Boiling Point</b>	212°F (100°C) to 233.6°F (112°C)
<b>Turbidity</b>	6 NTU maximum
<b>Density @ 20°C</b>	12.45 lb/gal minimum

#### CHEMICAL PROPERTIES

<b>Chemical</b>	NaBr
<b>pH (1:10 dilution)</b>	7.0 to 8.0
<b>Iron</b>	10 mg/kg
<b>Hardness</b>	25 mg/kg

#### TETRA Chemicals

24955 Interstate 45 North  
The Woodlands, Texas 77380

**Phone:** 281.367.1983

**Customer Service:** 800.327.7817

**Fax:** 281.298.7150

[www.tetrachemicals.com](http://www.tetrachemicals.com)

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