

# BioRid 40i BIOCIDES

## Product Data Sheet

### General Description

BioRid® 40i biocide, a clear brine fluid, is an aqueous sodium bromide solution.

### Applications

BioRid 40i 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;
- ornamental ponds and aquaria;
- 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 40i 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 40i biocide is available in tank truck quantities from a variety of Gulf Coast plant locations.

#### TETRA Chemicals

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### Safety and Handling

BioRid 40i biocide is a strong salt solution. Protective clothing, rubber gloves and eye protection are recommended. Rubber safety boots should also be worn in work areas. This product should be handled in areas with proper ventilation. Before using this product, refer to the MSDS (available on the Company's website) for complete safety and handling guidelines. For proper disposal guidelines for sodium bromide wastes, consult the appropriate local regulatory authorities.

PHYSICAL PROPERTIES	
<b>Appearance</b>	Clear, colorless solution
<b>Odor</b>	None
<b>Assay</b>	39 to 41% by weight NaBr
<b>Crystallization Temperature</b>	-21°F (-29.4°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>Bulk Density</b>	11.64 to 11.92 lb/gal

CHEMICAL PROPERTIES	
<b>Chemical</b>	NaBr
<b>pH (1:10 dilution)</b>	6.5 to 7.5
<b>Iron</b>	10 mg/kg
<b>Hardness</b>	25 mg/kg