

# BIONIX® BP25

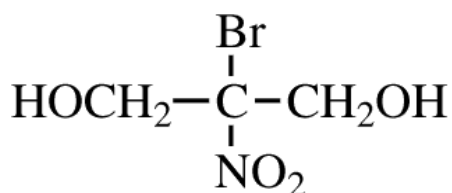
## 25% BRONOPOL

## PRODUCT DATA SHEET

### DESCRIPTION

BIONIX BP25, 25%, 2-Bromo-2-nitropropane-1,3-diol is a broad spectrum, microbiocide for controlling spoilage, odor causing, slime-forming bacteria, yeast and molds in aqueous industrial systems, industrial process waters, recirculating water, cooling towers and evaporative condensers, oil/gas production transport, pulp and paper production and general preservation.

### STRUCTURE AND INFORMATION



CAS #:	52-51-7
EINECS:	200-143-0
Chemical Family:	Bronopol
Molecular Formula:	C <sub>3</sub> H <sub>6</sub> O <sub>4</sub> BrN
Molecular Weight:	199.99

### BENEFITS

- Broad spectrum bacterial efficacy
- Controls *Pseudomonas* sp.
- Controls slime forming bacteria
- Controls anaerobic bacteria responsible for microbial induced corrosion
- Very effective in combination with other biocides.

### PHYSICAL PROPERTIES

Appearance/Form	Yellow to Colorless	Freezing Point	-10°C(14°F)
Color (AHPA)	N/A	Specific Gravity,@25°C	1.15
pH	3.81	Density	9.58
Solubility in water	Miscible		
Boiling Point	N/A		

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#### APPLICATION/USES

BIONIX BP25 can be dosed directly either by open pouring or by metered pump, for cooling water applications open pouring is not permitted. The concentration required to give protection depends on several factors. These include the susceptibility of the system to microbiological degradation, the extent to which microorganisms can gain access, the species involved, pH, temperature and length of time for which protection is required. BIONIX BP25 can be used alone or in combination with other compatible biocides. The use of multiple preservatives provides additional protection against bacterial and fungal spoilage. The most popular combinations are those with 5-Chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (CMIT/MIT). BIONIX BP25 is best added after any heating stage or when the product has cooled below 40°C.

#### WATER TREATMENT

- Industrial recirculating water cooling towers and evaporative condensers, industrial and/or commercial air washer and/or humidifying systems/paint spray booths, industrial process water.

#### PULP AND PAPERMILLS

- Papermill process water, paper mill's bulk pulp, slime control.

#### GENERAL PRESERVATIVE

- Adhesives, metalworking fluids, building materials, absorbent clays, corn cobs and ground wood, starch, pigment and mineral and extender slurries, latices, polymer emulsions or solutions, liquid household and institutional products, semi-solid/solid household and institutional products, surfactants and raw materials used in consumer, household and institutional products, water based agricultural pesticide concentrates, water based printing inks and fountain solutions, paints, latex and other emulsion systems, hides and skins and leather.

#### OIL/GAS PRODUCTION

- Oil and gas fluids, drilling muds, drilling fluids and workover and completion fluids, oil flooding waters/injection waters, injection fluids, enhanced oil recovery fluids, well squeeze fluids, fracturing fluids, produced water, pipeline and tank maintenance, water bottoms in oil or transportation tanks.

## 21 CFR CLEARANCES

21 CFR 175.105	Components of adhesives
21 CFR 176.170	Components of paper and paperboard in contact with aqueous and fatty foods
21 CFR 176.180	Components of paper and paperboard in contact with dry food
21 CFR 176.300	Slimecide for use in manufacture of paper and paperboard intended to contact food

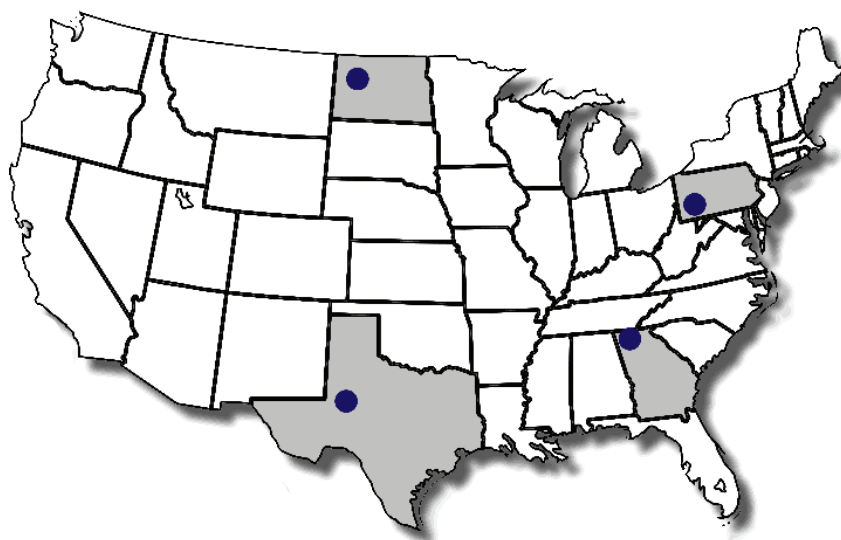
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#### PACKAGING

TYPE	LBS	KG
5 gal. Pails, 24 pails/pallet	46 lbs	21 kg
55 gal. Drum, 4 drums/pallet	510 lbs	231 kg
275 gal. Tote	2540 lbs	1152 kg
330 gal. Tote	3070 lbs	1393 kg

#### SHIPPING LOCATIONS



Newill, PA  
Dalton, GA  
Newton, ND  
Big Spring, TX

#### SHIPPING INFORMATION

##### U.S. D.O.T

##### NON-BULK

Proper Shipping Name Corrosive Liquid, N.O.S  
(2-Bromo-2-Nitropropane-1-3-Diol)

Hazard Class: 8

ID Number UN3265

Packing Group PGIII

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## STORAGE/HANDLING

- Keep container tightly closed in a dry and well-ventilated place. Avoid extreme temperatures. Do not expose to direct sunlight or ultraviolet light. Avoid sulfur containing rubber.
- Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Wear respiratory protection.

## HAZARDS IDENTIFICATION

### GHS LABEL ELEMENTS



CORROSIVE

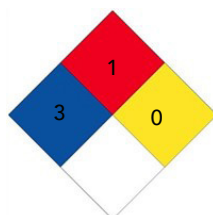
FLAMMABLE

IRRITANT

### HMIS (USA)

HEALTH	3
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	<input type="checkbox"/>

### NFPA



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