

BIONIX® BP10

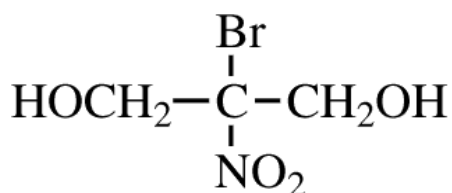
10% BRONOPOL

PRODUCT DATA SHEET

DESCRIPTION

BIONIX BP10, 10%, 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 ₃ H ₆ O ₄ 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	Pale Yellow to Colorless	Freezing Point	-15°C(5°F)
Color (AHPA)	N/A	Density	8.82
pH	4.05	Specific Gravity,@25°C	1.06
Solubility in water	Miscible	Vapor Pressure@25°C	N/A
Boiling Point	266°C/510°F		

BIONIX® BP10

10% BRONOPOL

APPLICATION/USES

BIONIX BP10 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 BP10 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 BP10 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 air conditioning systems, industrial process water.

PULP AND PAPERMILLS

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

GENERAL PRESERVATIVE

- Adhesives, metalworking fluids, absorbent clays, paints, latex and other emulsion systems, hides and skins and leather.

OIL/GAS PRODUCTION

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

21 CFR CLEARANCES

21 CFR 175.105	Component 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	Slimicide for use in manufacture of paper and paperboard intended to contact food

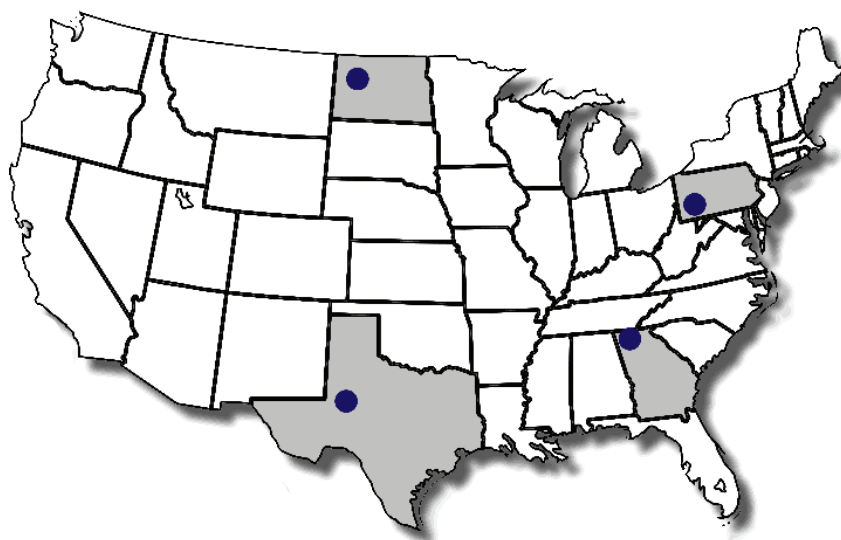
BIONIX® BP10

10% BRONOPOL

PACKAGING

TYPE	LBS	KG
5 gal. Pails, 24 pails/pallet	43 lbs	20 kg
55 gal. Drum, 4 drums/pallet	470 lbs	213 kg
275 gal. Tote	2340 lbs	1061 kg
330 gal. Tote	2825 lbs	1281 kg

SHIPPING LOCATIONS



Newell, PA
Dalton, GA
Newtown, 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

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

BIONIX® BP10

10% BRONOPOL

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

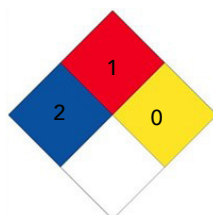


CORROSIVE

HMIS (USA)

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	<input type="checkbox"/>

NFPA



NOTICE TO READER

DISCLAIMER OF LIABILITY: This information is provided for general information purposes only and is believed to be accurate as of the date hereof, however, Isomeric Industries, Inc., does not make any warranties or representations of any kind regarding the information and disclaim all express and implied warranties or representations to the fullest extent permissible by law, including those of merchant ability, fitness for particular purpose or use, title, non-infringement, accuracy, correctness or completeness of the information provided herein. All information is furnished "as is" and without any license to distribute. The user agrees to assume all liabilities related to the use of or reliance on such information. ISOMERIC INDUSTRIES INCORPORATED SHALL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, PUNITIVE, EXEMPLARY OR CONSEQUENTIAL DAMAGES FROM ANY CAUSE WHATSOEVER INCLUDING BUT NOT LIMITED TO ITS NEGLIGENCE.