

# BIONIX® BIT20S

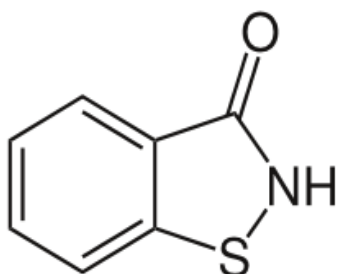
## PRODUCT DATA SHEET

### 20% BIT

#### DESCRIPTION

BIONIX BIT20S, 20%, 1,2-Benzisothiazolin-3-one, is a broad spectrum, microbiocide for controlling spoilage, odor causing, slime-forming bacteria, yeast and molds in aqueous industrial systems, such as oil in water emulsions, latices, emulsions paints, water based adhesives, casein and rosin dispersions, pesticide formulations, aqueous slurries, titanium dioxide slurries, tape joint compounds, leather processing solutions and for the preservation of fresh animal hides.

#### STRUCTURE AND INFORMATION



CAS #:	2634-33-5
EINECS:	220-120-9
Chemical Family:	Benzisothiazolinone
Molecular Formula:	C <sub>7</sub> H <sub>5</sub> NOS
Molecular Weight:	151.18

#### BENEFITS

- Formaldehyde free
- pH stable from 4-12
- Temperature stable up to 100C
- FDA approved for various applications
- Broad spectrum microbiocide, effectively controlling bacteria, yeast, and fungi

#### PHYSICAL PROPERTIES

Appearance/Form	Transparent, amber	Freezing Point	N/A
Color (AHPA)	N/A	Specific Gravity,@25°C	1.12
pH	9-10	VOC %	55
Solubility in water	Miscible	Vapor Pressure@25°C	N/A
Boiling Point	100°C/212°F		

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## APPLICATION/USES

BIONIX BIT20S can be dosed directly either by open pouring or by metered pump. 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 BIT20S is best added after any heating stage or when the product has cooled below 40°C.

### PAPER MILLS

- Paper coating compositions, Pulp, paper mills and paper mills process water systems.

### GENERAL PRESERVATIVE

- This product is used to reduce contamination in raw materials and/or products such as: natural and synthetic latices, emulsions paints and stains, oil-in-water emulsions, adhesives, inks and dyes, aqueous mineral slurries, pigment dispersions, photographic emulsions, building and constructions compositions, fresh animal hides and skins, leather processing solutions

### PESTICIDE FORMULATIONS

- For product preservation. For ultimate use-dilution protection. This product is exempt from tolerance under 40CFR180.920, materials exempted from the requirements of a tolerance when used in accordance with good agricultural practice as inert ingredients in pesticide formulations applied to growing crops only.

### SPECIALTY PRODUCTS AND HOUSEHOLD PRODUCTS

- Home cleaning products, floor cleaners, floor waxes and polishes, surface cleaners, window cleaners, dish detergents, liquid laundry detergents, fabric softeners, stain removers, car care products.

### OIL/GAS PRODUCTION

- Oil recovery systems, drilling fluids, packer fluids, completion fluids, subsurface injection waters, such as polymer and micellar/polymer waterfloods.

## 21 CFR CLEARANCES

21 CFR 175.105	Adhesives
21 CFR 176.170	As a preservative for paper coating compositions, at a level not to exceed 0.01 mg/in <sup>2</sup> of finished paper or paperboard in contact with fatty and aqueous food.
21 CFR 176.180	As a preservative for paper coating compositions, at a level not to exceed 0.02 mg/in <sup>2</sup> of finished paper or paperboard in contact with dry food.
21 CFR 176.300	Slimicides (max. 0.06lb product/ton dry wt. fiber)
21 CFR 177.2600	Uncured latex rubber

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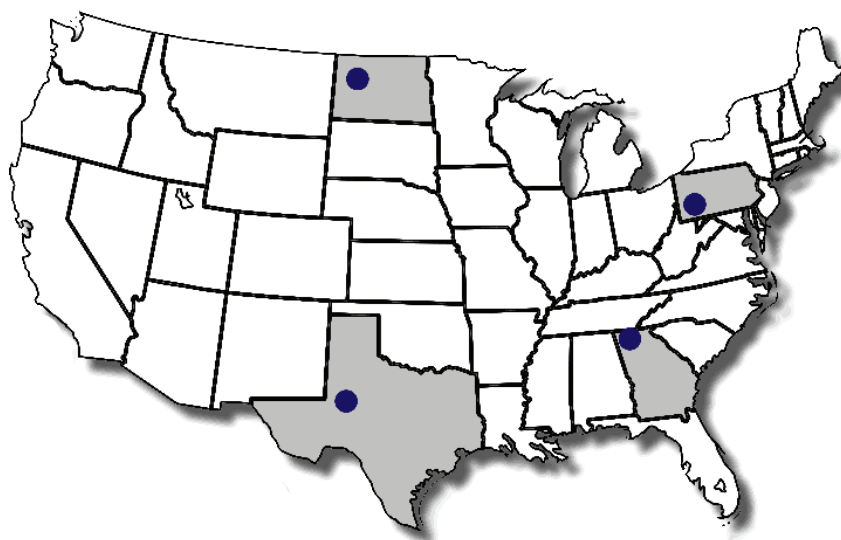
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## PACKAGING

TYPE	LBS	KG
Pails	X lbs	X kg
55 gal. Drum	441 lbs	200 kg
275 gal. Tote	2205 lbs	1,000 kg
330 gal. Tote	X lbs	X kg
Bulk	44,000 lbs	X kg

## SHIPPING LOCATIONS



Newill, 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  
(contains Potassium Hydroxide)  
Hazard Class: 8  
ID Number UN1760  
Packing Group PGII

#### BULK

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(contains Potassium Hydroxide)  
Hazard Class 8  
ID Number UN1760  
Packing Group PGII

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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 strong oxidizing agents, mild steel, aluminum, copper and other materials. Protect from frost. If frozen, allow to thaw and stir well before use.
- 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



IRRITANT

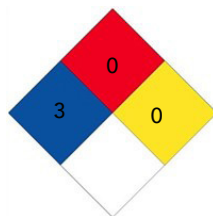


ENVIRONMENTAL HAZARD

#### HMIS (USA)

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

#### NFPA



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