

BIONIX® BIT20W

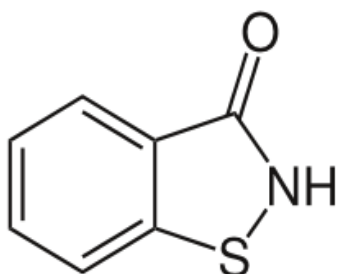
19.3% BIT

PRODUCT DATA SHEET

DESCRIPTION

BIONIX BIT20W, 19.3%, 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 ₇ H ₅ 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	Opaque	Freezing Point	N/A
Color (AHPA)	N/A	Specific Gravity,@20°C	1.07
pH	6-8	Vapor Pressure@25°C	N/A
Solubility in water	N/A		
Boiling Point	100°C/212°F		

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APPLICATION/USES

BIONIX BIT20W 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 BIT20W is best added after any heating stage or when the product has cooled below 40°C.

PAPER MILLS

- Paper coating compositions

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.

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 ² 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 ² 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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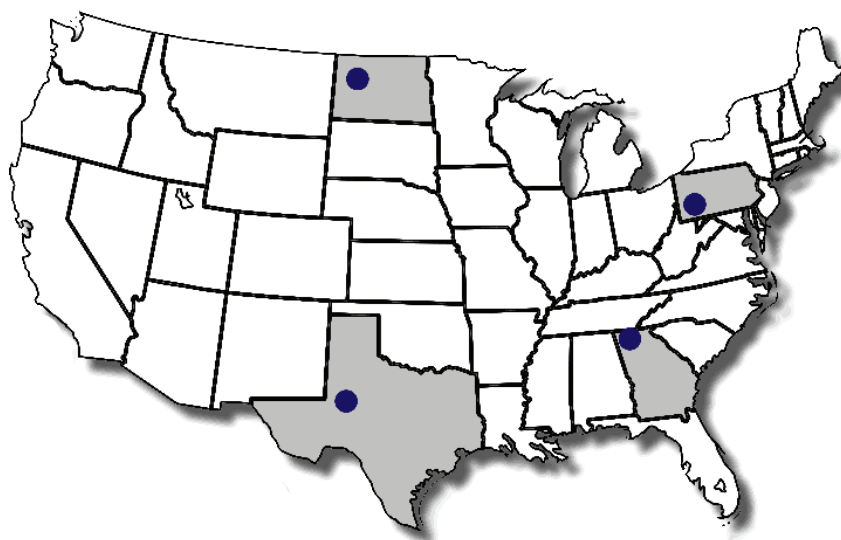
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PACKAGING

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 Environmentally Hazardous,
N.O.S (1,2-Benzisothiazolin-3-one)

Hazard Class: 9

ID Number UN3082

Packing Group PGIII

BULK

Proper Shipping Name Environmentally Hazardous,
N.O.S (1,2-Benzisothiazolin-3-one)

Hazard Class 9

ID Number UN3082

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 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

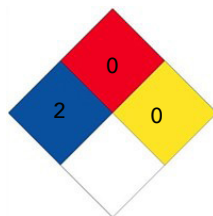


ENVIRONMENTAL HAZARD

HMIS (USA)

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

NFPA



NOTICE TO READER

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