

NIPACIDE® BIT 10

INDUSTRIAL MICROBIOSTAT

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Nipacide BIT 10 is an aqueous solution of 1,2-benzisothiazolin-3-one which was developed as a water soluble, nonformaldehyde, halogen-free organic preservative to control the growth of slime forming bacteria in water based systems. When used at suggested application levels, Nipacide BIT 10 is cost effective, offers ease of incorporation, maintains stability over a wide pH range and is thermally stable.

APPLICATION

Aqueous compositions during production and storage are susceptible to the growth of slime forming bacteria. This microbial contamination can be introduced into synthetic and natural based systems by the raw materials used, contaminated equipment, the production or storage environment and worker contact. The growth of microbial organisms can be detrimental to the integrity of the system, resulting in changes in viscosity, discoloration and staining, mal odors and gas generation. The use of Nipacide BIT 10 to control biodegradation in these systems will help maintain product functionality and improve the storage life of the treated material.

USE

At use levels of 0.04 - 0.5% based on the total weight of the formulation, Nipacide BIT 10 has been shown to be effective under laboratory and field use conditions. It is suggested that the preservative be added with sufficient agitation and allowing enough time for uniform dispersion. Nipacide BIT 10 may be added at anytime during the production process. The level of Nipacide BIT 10 required for optimum effectiveness is dependent on the anticipated storage/protection time, susceptibility of the system to microbial degradation, pH, temperature and other factors. Nipa recommends that all formulation components be evaluated for efficacy, stability and compatibility prior to commercialization in the final formulation/product.

The following applications and suggested dose levels are typical for aqueous based systems:

Application	% Nipacide Bit 10 (Based On Total Formulation Weight)
Aqueous Polymer Emulsion And Latex Systems	0.08 - 0.18
Water Based Paint And Coatings Systems	0.08 - 0.50
Aqueous Adhesive And Sealant Systems	0.04 - 0.18
Mineral Slurries And Dispersions	0.04 - 0.18
Metal Working Fluids (Rolling, Cutting And Grinding Fluids)	0.08 - 0.36*
Paper And Textile Coatings	0.04 - 0.18
Pesticide Formulation (For Product Preservation)	0.09 - 0.45

*Should not exceed 0.45% (Max.) based on the weight of the working dilution

For industrial use only as a preservative for aqueous compositions such as oil in water emulsions, latices, emulsion paints, water based adhesives, casein/rosin dispersions, mineral slurries and dispersions, textile spin-finish and coating solutions, paper processing and coatings, and for control of slime producing bacteria in paper making processes.

Active Ingredient:

1,2 benzisothiazolin-3-one	9%
Inert Ingredients	91%
	100%

KEEP OUT OF REACH OF CHILDREN
DANGER

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Call a physician immediately.

IF SWALLOWED: Drink large quantities of water. Do not give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

IF ON SKIN: Wash with plenty of soap and water.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

DANGER

CORROSIVE. CAUSES EYE AND SKIN DAMAGE. HARMFUL OR FATAL IF SWALLOWED. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARD: This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

EPA Reg. No. 49403-26

EPA Est. No. 33979-SC-01

STORAGE AND DISPOSAL

STORAGE: Protect from frost. If frozen, allow to thaw and stir well before reuse.

PESTICIDE DISPOSAL: Do not contaminate water, food, or feed by storage or disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. Open dumping is prohibited.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

REGULATORY CLEARANCES

All components of Nipacide® BIT 10 are cleared for use under the following U.S. Environmental Protection Agency and U.S. Food and Drug Administration registrations and clearances:

US EPA Registration Number: 49403-

US FDA:

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	Slimeicides (in the manufacture of paper and paperboard that contact food).
21 CFR 177.2600	Rubber Articles Intended for Repeated Use

FOR YOUR PROTECTION

The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning uses or applications are only the opinion of NIPA Hardwicke Inc. and users should make their own tests to determine the suitability of these products for their own particular purposes. However, because of numerous factors affecting results, NIPA Hardwicke Inc. MAKES NO WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR PURPOSE, other than that the material conforms to its applicable current Standard Specifications. Statements herein, therefore, should not be construed as representations or warranties. The responsibility of NIPA Hardwicke Inc. for claims arising out of breach of warranty, negligence, strict liability, or otherwise is limited to the purchase price of the material. Statements concerning the use of the products or formulations described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is assumed.

Manufactured by:

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Net Weight:
Batch No.:

