



Technical Data

Nipacide BKI

General Description	Nipacide BKI is a low toxicity biocide specifically developed for the complete microbiological protection of water based products against bacterial and fungal spoilage in the wet state, particularly where it is to be used at high ambient temperatures. Nipacide BKI is a water based liquid.			
Composition	Nipacide BKI is one of a comprehensive range of biocides manufactured by BTP India Pvt Ltd and is described chemically as a concentrate of 1,3,5-tris(2-hydroxyethyl)-hexahydro-s- triazine.			
Typical Properties	Nipacide BKI has the following typical properties:			
-	Property		Analysis	
-	Appearance:		Colourless to Pale Yellow Liquid	
	pH (10%):		9.0 - 11.0	
	Solubility:	Water	Miscible	
		Oil	No	
	Stability:	Light	Stable	
-		pH range	6-10	
	It should be noted that the above typical properties do not constitute a specification.			
Biocidal Properties	Nipacide BKI is effective against bacteria, fungi and yeast.			
Applications	Nipacide BKI is recommended for a wide range of applications including adhesives, cleaning Industrial systems, polymer emulsions, fountain solutions, MWF and paint where protection against fungi and bacteria is required in the wet state.			
Use Level	The recommended use level of Nipacide BKI to preserve most product types is normally in the range 0.1-0.3% based on the total weight of the finished product.			

MIC Levels Nipacide BKI has a broad spectrum of activity which includes the following common spoilage organisms;

Organism	MIC (ppm)
Bacteria:	
Pseudomonas aeruginosa	150
Pseudomonas putida	200
Proteus vulgaris	150
Escherichia coli	200
Staphylococcus aureus	150
Fungi:	
Aspergillus niger	1000
Penicillium mineoluteum	1500
Fusarium solani	>1500
Geotrichum candidum	>1500
Yeast:	
Candida albicans	>1500
Nipacide BKI is compatible wi microbiologically susceptible pr Nipacide BKI with the applicat before use.	th most raw materials u roducts. Compatibility o ion should always be c
The Clariant Technical laborator determination of the optimum u product. This service may be of is known to be susceptible to m that the environmental condition application are known to enhance	ries are available to as se level required in a sp f particular use where nicrobiological contami ns of the production pla ce contamination.
Storage Conditions	

Nipacide BKI should be stored at temperatures within the range 5-40°C. Containers containing Nipacide BKI should not be exposed to direct sunlight. Storage conditions should also be in conformance with applicable legal, fire and insurance regulations.

Shelf Life

Compatibility

Laboratory Service

Storage Conditions and Containers

Under correct storage conditions the normal shelf life for this product is 12 months.

Containers

Nipacide BKI is available in 25kg Kegs, 200kg Drums and 1 Tonne IBC containers.

	Container dispo Prior to disposal, should be draine however, that a s container and thi ensure that conta before disposal.	osal residual contents of containers of Nipacide BKI d into the product to be preserved. It is likely, mall quantity of Nipacide BKI will remain in the s should be deactivated and drained to waste. To iners are not reused, they should be pierced		
Handling	Where direct har wear protective c suitable impervio chemical splash g please refer to th handling of bioci	Where direct handling is necessitated, personnel should always wear protective clothing. This will include a rubber apron, suitable impervious full-length gloves and footwear. Protective chemical splash goggles should also be worn. For further details please refer to the BTP India Pvt Ltd 'Recommendations for the handling of biocides'.		
Ecotoxicity	Nipacide BKI is inhibitory concer	Nipacide BKI is biodegradable when diluted below the minimum inhibitory concentration and does not bioaccumulate.		
Toxicology	Nipacide BKI to	Nipacide BKI toxicology is as follows:		
	Acute Oral LD ₅₀ Sensitisation: Classification:	o(rat): <2000mg/kg Components are known sensitisers The mixture is harmful		
First Aid	Should Nipacide recommended:	BKI be mishandled the following procedures are		
	Inhalation	Move the exposed person to fresh air at once. Seek prompt medical attention.		
	Ingestion	Rinse mouth thoroughly with water. Seek medical attention.		
	Skin Contact	Promptly wash contaminated area with plenty of water. Seek medical attention.		
	Eye Contact	Promptly wash eyes with water. Seek medical attention.		
	Note: For full deta Data Sheet.	ils on first aid measures please see the Material Safety		
Transport	The original cont and transport. S containers please	The original containers should always be used for safe storage and transport. Should it be necessary to transfer to alternative containers please contact BTP India Pvt Ltd		

Spillage/Disposal	Spillages of Nipacide BKI should be absorbed using an inert material such as vermiculite and transferred to containers for disposal. Spillages should be disposed through specialist disposal contractors and according to local regulations.
Fire/Explosion	Nipacide BKI is non-flammable and non-explosive.
Other Relevant Information	Regulations:
	WGK Classification:
	1 (official)
	Other:

All information is given in good faith but without warranty. Customers should ensure that their use of the products comply with specific regulations in the relevant market.