

3-Iodo-2-propynyl butylcarbamate (IPBC)

DESCRIPTION

IPBC is an EPA registered iodinated antimicrobial powder. It is a broad based biocide used globally as a preservative, fungicide, and algacide. It is present in many different areas including paints, coatings, metal working fluids and in wood protection and preservation. It is also present in personal care products and cosmetics. It is dispersible in water and is soluble in various organic solvents.

CHEMICAL AND PHYSICAL PROPERTIES

Appearance:	White Crystalline Powder
Empirical Formula	$C_8H_{12}INO_2$
Molecular Weight:	281.07 g/mol
Typical Analysis:	>98% by HPLC
Melting Point	65-68°C
Bulk Density	1.6 – 1.8 g/cm ³
Stability:	Powder decomposes > 180°C
pH Stability	Stable in solutions between pH 5-7 Decomposes in strong alkaline media
Vapor Pressure:	<1.8 x 10 ⁻⁶ torr (20°C) < 5.0 x 10 ⁻⁶ torr (30°C)

APPLICATIONS

- Preservative in paints and coatings
- Fungicide in metalworking fluids, adhesives, plastics
- Mildewcide for papers and cardboard substrates and textiles
- Preservative for wood products
- Preservative for inks and emulsions
- Fungicide in HVAC systems
- Preservative in personal care products and cosmetics





Technical Information

IPBC 09/09

PACKAGING AND SHIPPING

- IPBC is shipped in fiber drums
- Typical Package Sizes: 100 lbs
250 lbs

For further information on product safety please consult the product MSDS



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