

# Product Information

## Bisley ZPT 48% Aqueous Dispersion

### Product Description:

Bisley ZPT 48% Aqueous Dispersion is a mixture of ultra-fine particles of zinc pyrithione (ZPT), a dispersant and a stabilizing agent. ZPT is an effective inhibitor of microbe growth including algal, fungal (molds & yeasts) and bacterial (gram-positive & gram-negative).

### Applications:

Bisley ZPT 48% Aqueous Dispersion is used as an additive to protect paints (such as industrial and marine) against microbe (algal, fungal and bacterial) and crustacean growth. It acts as a low metal fouling agent with long-lasting efficacy that does not induce galvanic corrosion making it suitable for metal hulls and marine environments. It can be applied to some textiles to prevent microbe growth and used in cosmetics for a variety of skin related benefits including anti-dandruff properties.

### Chemical Formula:

$C_{10}H_8N_2O_2S_2Zn$

### CAS No. :

13463-41-7

### Specifications:

| Parameters (units)                    | Specifications               |
|---------------------------------------|------------------------------|
| Appearance                            | Off-white aqueous dispersion |
| Odor                                  | Mild                         |
| Zinc pyrithione (%)                   | 48 - 50                      |
| Zinc (%)                              | 9.3 - 11.3                   |
| pH, 5% aqueous solution               | 6.5 - 9.0                    |
| Bulk density (g/mL)                   | 1.2 - 1.25                   |
| Particle size distribution, D90 (µm)  | ≤ 1                          |
| Particle size distribution, D100 (µm) | ≤ 5                          |

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[bisleyinternational.com](http://bisleyinternational.com)

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## Dosing:

For marine paint 3 - 10 w/w % ZPT is recommended, however dosage will depend on overall paint formulation. Stable in pH 4.5 - 9.5.

## Packaging:

Material is available in 25 kg HDPE drums, 250 kg HDPE drums and 1250 kg IBCs. Further packaging options may be available upon enquiry.

## Storage:

Product should be stored in a cool and dry place away from direct sunlight in sealed, original packaging. Ideally stored at 10 °C to 40 °C. For further safety information refer to product SDS available from your Bisley and Company contact.

## Safety:

For further safety information refer to product SDS available from your Bisley International contact.

Disclaimer: This document is for information purposes only. Customers are responsible for testing and confirming the suitability of this product in their application. To the extent permitted by law, no warranty as to merchantability or fitness of purpose, expressed or implied, is made.

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