



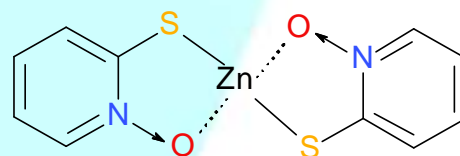
INTERCIDE™ ZNP

Product Description

A broad spectrum wet-state and dry film fungicide and algicide based on Zinc Pyrithione (ZnP) powder to protect plastics, sealants, solvent and water borne textile coatings, wood coatings, lacquers, lasures, stains and emulsion paints from fungal and algal growth. Intercide ZNP also exhibits good bacteriostatic properties.

Typical Properties

Appearance:	White powder
ZnP content:	95% minimum
Solubility:	Sparingly soluble in water
Zinc Metal content:	Approximately 20%
Stability in use:	pH 4-8. Below 4 free pryithione formed.
	Above 8 converts to highly soluble salts



The above do not constitute a specification

Applications

Intercide ZNP is suitable for the wet-state and dry film fungal preservation of a wide range of water-borne products including:

- Paints and coatings
- Adhesives
- Sealants
- Fillers
- Inks
- Wall paper adhesives
- Building products including joint cements, tile adhesive and grout.

Also used in plastics and similar polymeric materials for protection against fungal growth and bacteriostatic effect. Due to the content of zinc there should be consideration when used in PVC applications to look at the additional effect of the metal on Calcium/zinc or Barium/zinc stabilised products such as the Lankromark LMC range from Valtris Specialty. When used in solvent borne formulations care must be taken to consider possible reaction between paint driers and the zinc complex. In such cases strong discolouration can occur.

Packing and Storage

Storage: Intercide ZNP should be stored in dry conditions, preferably at room temperature. Once opened the container should be firmly closed after use. Full information on the safe handling of Intercide ZNP is available on the Health and Safety Data Sheet.

Special conditions: Store inside.

Shelf Life: minimum 12 months from manufacture (When stored as recommended)

Packaging: Normally supplied in fibreboard drums of 25kg net weight only.

Technical Performance

Normal use concentrations are in the range 0.05 - 0.5%, depending on the product to be protected and the environmental conditions to which it will be exposed. The precise level required by a specific formulation can be determined by the Valtris Specialty technical team. Check compatibility in each formulation before use.

Examples of spoilage organisms		
Moulds	Moulds	Yeasts
<i>Trichoderma viridae</i> <i>Fusarium sp.</i> <i>Chaetomium globosum</i> <i>Rhizopus nigricans</i> <i>Aspergillus niger</i>	<i>Aternaria alternata</i> <i>Aureobasidium pullulans</i> <i>Penicillium glaucum</i>	<i>Saccharomyces cerevisiae</i> <i>Candida albicans</i> <i>Rhodotorula rubra</i>

The fungal Minimum Inhibitory concentration (MIC) range between 0.5 and 100ppm active.
 Effective against bacteria MIC range <10 ppm (*Staphylococcus aureus*) to 400 ppm (*Pseudomonas aeruginosa*) typically.
 Also effective against algae. MIC data does not provide any indication of required dose.

Approvals and restrictions

The active substance of Intercide ZNP has the following approvals:

US EPA registration number: Please contact for Zinc Pyriithione use in the United States as other forms of ZNP may be available. Treated articles containing this product are exempt from FIFRA when being sold in the United States, provided they are without any public health claim.

Under CLP labelling requirements the EU H412 phrasing for the environment is required above 250ppm use of zinc pyriithione active. "Harmful to aquatic life with long-lasting effects."

This product has active ingredients notified under the Biocidal Products Regulation for the following Product types:

- o 7 Film Preservatives (although also PT 2 for any antibacterial dry-film claims may be relevant)
- o 9 Fibre, leather, rubber and polymerised materials preservatives
- o 10 Masonry Preservatives

BPR Treated article labelling applies from September 1st 2013 according to Article 58.

For further information contact your nearest Valtris Specialty sales representative or authorised distributor.
 Use biocides safely. Always read the label and product information before use.

Disclaimer

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