

AXCIDE

FK-T

GENERAL

Chemical Name	Zinc pyrithione or Bis(2-pyridylthio)zinc 1,1'-dioxide
Chemical Formula	C ₁₀ H ₈ N ₂ O ₂ S ₂ Zn
Molecular Weight	317.68
CAS No.	13463-41-7
Static appearance	Lower level is white to yellow precipitation, upper level is colourless to light yellow clear liquid.
Dynamic appearance	White to light yellow emulsion.

DESCRIPTION

AXCIDE FK-T is a low toxicity biocide liquid and friendly to environment. It is effectively inhibit the growth of pathogenic microorganisms such as *streptococcus* and *staphylococcus*, fungi, yeast, mould and bacterial.

SPECIFICATIONS

<u>Properties</u>	<u>Typical Value</u>
Active Content,(%):	48.0-50.0
pH (5% solution)	6.0 - 9.0
Solubility	Insoluble in alcohol, surfactant and water.

PACKING

10kg net weight in plastic drum

APPLICATIONS

AXCIDE FK-T is specially formulated as germicide for exterior high durable coatings. Moreover, it has much potential of applications in production of pesticide, adhesives, carpet, cosmetics, as antifouling agent in paints, sealants and as anti-dandruff agent in shampoo preparations. In shampoo formulation, it can reduce the itching, flaking of the scalp and control hair dropping. *AXCIDE FK-T* also can be used in ship corrosion-proof paints when it's combined with copper hemioxide to prevent shells and marine plankton adhering to ship shell. It has shown good stability as bactericide and fungicide in the pH range from 4 to 10. Below pH 4.5 the zinc complex dissociates, forming free pyrithione. Above pH 9.5 the zinc complex hydrolyses to yield ionised pyrithione and zincate species. Both free and ionised pyrithione are microbiologically active.

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TRANSPORT INFORMATION

No data available

The above information is, to the best of our knowledge, true and accurate, but any recommendations or suggestions which may be made are without guarantee, since the conditions of use are beyond our control.

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