

INTERCIDE 340-A

EPA REG. No. 34688-9

FOR REFORMULATING & REPACKAGING USE ONLY

(For further information, see product technical bulletin)

ACTIVE INGREDIENTS:

Bis (Tri-n-butyltin) Oxide 25%

INERT INGREDIENTS 75%

TOTAL 100%

WARNING

KEEP OUT OF REACH OF CHILDREN.

Do not get in eyes, on skin or on clothing. Do not breathe spray mist. May be fatal if swallowed. Causes severe eye damage. Wear goggles or face shield when handling. May be absorbed through the skin. Causes skin irritation. In case of skin contact, remove contaminated clothing and immediately wash skin with soap and water. For eyes, immediately flush with plenty of water. If irritation persists, get medical attention. Wash contaminated clothing before reuse. Avoid storage near food and feed products.

This product is toxic to fish and wildlife. Do not contaminate water by cleaning of equipment or disposal of wastes.

Do not reuse empty drum. Send to drum reconditioner or destroy by perforating or crushing and then bury in a safe place.

ACCEPTED

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INTERSTAB

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INTERCIDE 340-A
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Product Description

Various pigmented substrates, especially dispersions and emulsions, will be attacked by bacteria and fungi during storage and subsequent use and thereby rendered unservicable. Painting in tropical sections as in humid rooms can easily be susceptible to fungi and bacterial attack. In such cases, not only have we to contend with the esthetic damage, but there is also the possibility of the proliferation of micro-organisms and infection.

Typical Physical Properties

Appearance

Color (Gardner)

Specific Gravity @ 20°C.

Viscosity (G. H.)

Solubility

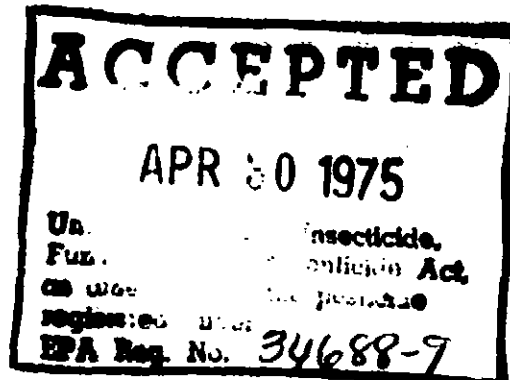
Physical Properties

2 Maximum

0.915 - 0.945

A5 - A4

In aromatic and aliphatic hydrocarbons, alcohols, esters, ketones, oils, emulsifiable in water.



Applications

As well as with other types, specific studies have shown that the growth of the following micro-organisms was partially or completely inhibited:

Fungal Species

Pullularia pullulans

Aspergillus oryzae

Aspergillus niger

Bacterial Species

Bacillus subtilis

Enterobacter aerogenes

Escherichia coli

Pseudomonas aeruginosa

Intericide 340-A has no effect on viscosity or color of the paint system, nor on corrosion of the container.

Intericide 340-A is not cleared for use in paint that will be used in food processing areas.

(over)

Directions For Use

Intercide 340-A can be incorporated at any point during the processing of the coating formulation, either during the pigment dispersion phase or in the "let down" when the final liquid additions are made.

Dosage

Intercide 340-A is efficacious as a bacteriostat and to preserve a system during storage against the growth of bacteria which commonly deteriorate such formulations, the addition of 0.1% to 0.5% by weight based on total weight of finished product is recommended.

For protection against fungus during use (after application) a higher amount may be necessary, usually in the range of 0.5% to 1.5%. The level necessary for protection is somewhat dependent upon prevailing conditions of the application environment. Generally 1.0% Intercide 340-A is sufficient for good fungistatic properties.

Toxicological Properties

The acute oral LD₅₀ in rats is 633 mg./kg. The acute dermal LD₅₀ is 930-2000 mg./kg. in albino rabbits.

Tri-butyltin oxide has been used for many years by specialists. Besides a light skin irritation from handling, no further toxic reaction has been reported. However, care should be exercised when handling 340-A. Persons with sensitive skins can expect a reaction during hot weather.

(Reference: Barnes, Stoner "The Toxicology of Tin Compounds", Pharm. Rev. 11.2, 211-213 (1959). Intercide 340-A may be used according to the provisions of 21 CFR 121.2520 "Adhesives", for use as preservative only.

Packing and Storage

Intercide 340-A is delivered in containers of 180 kilogram net (396 pounds, 55 gallons). It is recommended that it be stored at room temperature. Containers should be kept closed.