

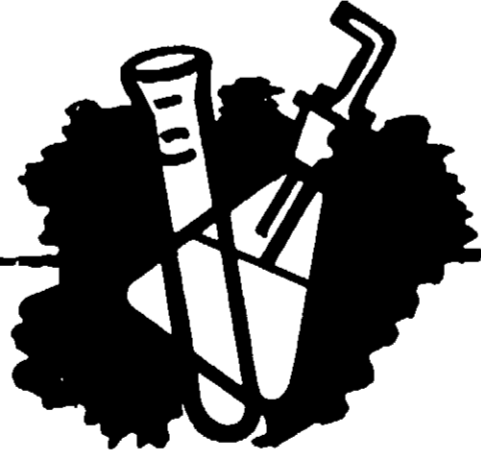
# SCIENTIFIC CHEMICALS INC.

**FUNGICIDES . . . BACTERICIDES**  
**SPECIALTY CHEMICALS**

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Active ingredients:  
 2-pyridinethiol 1-oxide  
 5-hydroxyquinoline  
 2-pyridinethiol 1-oxide

*Faint, mostly illegible text, possibly a list of products or descriptions.*



**1637 SOUTH KILBOURN AVE.**  
**CHICAGO 23, ILLINOIS**

VINYZENE #30

VINYZENE #30 is a highly active anti-fungal and anti-bacterial agent designed for addition to vinyl formulations, and other applications where protection against microbial growth is desired.

VINYZENE #30, at its recommended use level, is effective against a wide range of microorganisms, including gram-positive, gram-negative bacteria, and fungal organisms. It is active against pink staining organisms, often encountered in vinyls subjected to conditions of high humidity. It is particularly effective when used in vinyl sheeting and vinyl coated fabrics which must retain their esthetic qualities and flexibility. Vinyls used in upholstery fabrics, wall coverings, shower curtains and other items encountering at normal usage, high humidity and temperature conditions, must be protected by a broad spectrum anti-microbial such as VINYZENE #30 so as to prevent loss of plasticizer and unsightly mold growth.

VINYZENE #30 when used in extrusions, coatings or films will permit calendaring without change in color. Heat stability tests at 370°F. produced no significant color change even after 30 minutes exposure. Following is a typical highly stable formula:

- 50.0 parts Geon 121 (B. F. Goodrich Chemicals)
- 45.0 parts dioctyl phthalate
- 1.5 parts Drapex 4.4 (Argus Chemical Co.)
- 2.5 parts Hark KCB (Argus Chemical Co.)
- 1.0 parts VINYZENE #30

USE LEVEL: - It is recommended that VINYZENE #30 be used at a level of 1.0%, based on the total weight of the plastisol formulation. VINYZENE #30 is a thixotropic paste and can be milled or otherwise mixed in conventional equipment. It is compatible with all plasticizer systems.

TOXICOLOGY: - Initial toxicological data indicates that VINYZENE #30 in its concentrated form is neither a primary skin irritant nor a sensitizer. It is expected that its acute oral toxicity will be well over 1000 mg/kg. Further tests are under way.

CAUTION: - As with any concentrated chemical, VINYZENE #30 should be handled with caution. Avoid direct contact with the skin or ingestion. VINYZENE #30 should not be used in direct contact with foodstuffs.

PROPERTIES: -

Active ingredients:	Zinc 2-pyridinethio 1-oxid and Zinc 8-hydroxyquinoline (solubilizer)
Solid content:	100%
Specific gravity:	.996 - 1.02 at 25° C.
Flash point:	In excess of 400° F.
pH:	6.8 to 7.0
Appearance	Cream colored thixotropic paste