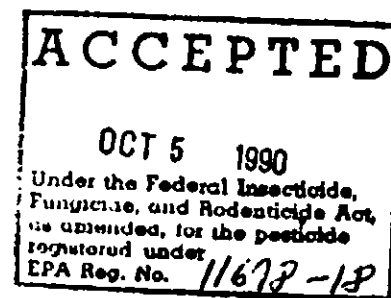


FOLPAN**FOLPET TECHNICAL**

For Manufacturing Use Only in the
Formulation of Fungicides

For Industrial Use Only

**ACTIVE INGREDIENT:**

Folpet:

N-(Trichloromethylthio)phthalimide.....88%

Inert Ingredients.....12%

Total...100%

KEEP OUT OF REACH OF CHILDREN

WARNING**STATEMENT OF PRACTICAL TREATMENT**

If In Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

If Swallowed: Promptly drink a large quantity of milk, egg whites, gelatin solution, or, if these are not available, drink large quantities of water. Do not drink alcohol.

If On Skin: Wash skin with soap and water.

Inhalation: Avoid breathing vapors or dust.

See side panel for additional precautionary statements.

WARRANTY STATEMENT

Seller warrants that the product conforms to its chemical description and is reasonable fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instruction or under abnormal conditions or under conditions not reasonable foreseeable to seller, and buyer assumes the risk of any such use. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

Manufactured by: Makhteshim Chemical Works, Ltd.
c/o Makhteshim-Agan (America) Inc.
245 Fifth Avenue, Suite 1901
New York, N.Y. 10016
(212) 561-7260

EPA Registration No. 11678-18

EPA Establishment No.

Net Weight: 50 lbs.

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

WARNING

Causes substantial but temporary eye injury. May cause an allergic skin reaction. Harmful if swallowed or inhaled. Do not get in eyes, on skin or on clothing. Avoid breathing dust or liquid aerosols. Use with adequate ventilation. Wear goggles or face shield when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and separately launder clothing before reuse. Do not contaminate food or foodstuffs.

ENVIRONMENTAL HAZARDS

This product is highly toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public water unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of The EPA.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labelling. Contact company for Technical Information on Folpan. Formulators using this product are responsible for obtaining EPA Registration for their formulated product. For the manufacture of fungicides only.

STORAGE AND DISPOSAL

Storage: Do not contaminate water, food, or feed by storage or disposal. Store in a dry place.

Disposal: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. Wastes resulting from this product may be disposed of on site or at an approved waste disposal facility. In case of minor spills, follow all precautions indicated above and clean up immediately. Sweep up and dispose of waste and broken or empty containers in a landfill approved for pesticide use.

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FOLPAN TECHNICAL BULLETIN

Industrial Fungicide
EPA Reg. No. 11678-18

General Description

FOLPAN Technical is a powdered, low toxicity, non-metallic organic fungicide designed for use in non-aqueous coatings (paints) and caulking compounds. It demonstrates excellent performance in these substrates showing the following principal features:

1. Highly effective against a variety of microorganisms.
2. Suitable for use in both exterior and interior non-aqueous paints and caulking compounds.
3. Does not affect color or other paint and caulking properties.

Typical Properties

Physical Form	Off-white fine powder
Active Ingredient:	
Folpet-[N-(trichloromethylthio)phthalimide]	88% (MIN.)
Odor	Slight burnt
Empirical Formula	$C_9H_4NO_2SCl_3$
Molecular Weight	296.58
Melting Point	329 - 338°F
Specific Gravity (25°/25°C)	1.75
Bulk Density	Loose: 18 - 20 lb/ft ³ Packed: 28 - 32 lb/ft ³

Solubility Practically insoluble in water, very low solubility in aliphatic hydrocarbon solvents, low solubility in aromatic, polar, oxygenated and halocarbon solvents.

Stability Thermally stable under normal temperatures of storage. Hydrolyzes slowly in water at low temperatures, rapidly at high temperatures. Rapidly hydrolyzes with strong alkali and high temperatures.

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Antimicrobial Activity

FOLPAN Technical has been shown effective against the following microorganisms in laboratory media.

Bacterial Species

Bacillus subtilis
Staphylococcus aureus
Pseudomonas aeruginosa
Aerobacter aerogenes
Proteus vulgaris
Brevibacterium sp.
Streptomyces rubroreticuli

Fungal Species

Aspergillus niger
Aspergillus flavus
Penicillium funiculosum
Penicillium islandicum
Chaetomium globosum
Trichoderma sp.
Aureobasidium pullulans
Candida albicans

Applications

Non-Aqueous Paint Fungicide

General

FOLPAN Technical is highly effective in the control of fungi associated with mildew growth on both interior and exterior paints. Since it is a powder, the optimum performance is obtained when FOLPAN Technical is uniformly dispersed in the paint. Therefore, it should be incorporated during the pigment dispersion cycle into the paint manufacturing process.

Lead pigments and driers should be avoided in paints containing FOLPAN Technical. It has been found that paints containing significant amounts of moisture due to the use of high moisture content pigments can lead to a cross staining between the lead compounds and FOLPAN Technical.

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Use Levels

FOLPAN Technical is recommended at levels between 0.5 and 1.0% based on total paint weight. Lower levels are only effective under relatively mild exposure conditions. Specific recommendations are governed by the particular paint formulation and the exposure environment.

Toxicological Properties

The acute oral LD₅₀ of FOLPAN Technical for male albino rats is greater than 10,000 mg/kg of body weight. Acute dermal LD₅₀ for albino rabbits is greater than 22,600 mg/kg. FOLPAN Technical may cause eye irritation.

In sub-acute studies, FOLPAN Technical added to the diet of male and female rats for twelve weeks at 1000, 3200, and 10,000 ppm resulted in no deaths and no abnormalities of the organs. There was only a slight reduction in body weight gain in the males at the 10,000 ppm level.

FOLPAN Technical is toxic to fish. Twenty-four hour LC₅₀s for white mullet and kill fish are 1.5 and 2.5 ppm respectively. It is significantly less toxic to birds with an LD₅₀ for mallard ducks of >2,000 mg/kg.

Handling and Storage

May cause eye irritation. Avoid contact with eyes and skin. Avoid breathing dust. In case of contact, immediately flush eyes or skin with plenty of water. If irritation persists, see a physician.

Store in a cool, dry location. Protect from excessive heat. Wash and destroy shipping containers when empty. If spilled, sweep up and remove to approved landfill or incinerator. Do not contaminate any body of water by cleaning of equipment or disposal of waste.