

29 JUN 1992

Mr. John S. Arabel
Nektachem-Agan (America), Inc.
240 Fifth Ave.
New York, New York 10010

Dear Mr. Arabel:

Subject: Tolpan Tolpet Technical
EPA Registration No. 11070-10
Application To Amend Registration To Update
Labeling Precautionary Statements To
Reflect Toxicity Category II Acute Inhalation
Hazard Dated October 29, 1991, Resubmission
Dated June 1, 1992

The proposed amendment referred to above, submitted
in connection with registration under Section 3 of the
Federal Insecticide, Fungicide and Rodenticide Act as
amended is acceptable provided that you:

1. Revise the environmental hazards statements so
the first statement reads: "this product is
very highly toxic to fish and aquatic organisms".
(this labeling is based on the July 31, 1991 review
of the data (EPAIDs 40100-03 and 04, and 40040-01)).
2. Submit five (5) printed copies of your final
printed labeling before you release the product
for shipment.

If these conditions are not complied with, the registration
will be subject to cancellation in accordance with FIFRA,
section 6(e). Your release for shipment of the product
constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

Joanne L. Miller
Product Manager (25)
Fungicide-Herbicide Branch
Registration Division (R-75000)

Enclosure
L. Wilson: Diskette 11678-18-10-92

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FOLPAN
FOLPET TECHNICAL

For Manufacturing Use Only in the
Formulation of Fungicides

For Industrial Use Only

ACCEPTED
with COMMENTS
in EPA Letter Dated:

ACTIVE INGREDIENT:

Folpet:

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

Inert Ingredients.....12%

Total...100%

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

11678-18

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 Inhaled: Remove victim to fresh air. Avoid breathing vapors or dust. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

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.

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

EPA Reg. No. 11678-18

Net Weight: 55 lbs. (25 kg)

EPA Est. No. 11678-18-01

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Causes substantial but temporary eye injury. May be fatal if inhaled. Do not breathe vapors or dust. Wear a mask or pesticide respirator jointly approved by the Mining Enforcement and Safety Administration and the National Institute of Occupational Safety and Health. May cause an allergic skin reaction. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wear goggles or face shield when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash separately 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
Melting Point	177°C
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 aerogenes
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.

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 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.

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