

5383-146

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



United States
Environmental Protection
Agency

Office of Pesticide Programs

Troy Chemical Corp. c/o
8 Vreeland Road
Florham Park, N.J. 07932

Subject: TROYSHIELD FSP40
EPA Registration No: 5383-146
Application Date: February 27, 2014
Receipt Date: February 28, 2014

JUL 17 2014

Dear Ms. Lentz:

The application referred to above, submitted under the provisions of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable under (FIFRA)

3(c)(7)(A)

Proposed Amendment:

- To amend the product label

Based on a review of submitted material, the following comments apply: EPA approved language under the Directions for Use to ***"separate the Industrial product label claims/uses from the HI&I product label claim/uses"*** is acceptable. A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. The next label printing of this product must use this labeling unless subsequent changes have been approved. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.13 (c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2 (gg) and it's implementing regulation at 40 CFR 152.3.

If you have any questions concerning this letter, please contact Zebora Johnson at (703) 308-7080.

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Sincerely

A handwritten signature in cursive script, appearing to read "E. Miederhoff".

Eric Miederhoff

Acting Product Manager (33)

Regulatory Management Branch I

Antimicrobial's Division (7510+P)

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TROYSHIELD® FSP40

Preservative for Latex Emulsions used in Adhesives, Building Materials used in Manufacture of Ceilings, Ceiling Tile, Walls and Partitions, Caulks, Cellulosics, Concrete Admixtures, Inks, Latexes, Leathers, Metalworking, Cutting, Cooling and Lubricating Fluids, Pastes and Grouts, Patching Compounds, Sealants, Urethane Foams, Paints and Coatings (including Wood Coatings), Pigment Slurries, Spin Finishes, Laundry Rinse Additives, Laundry Detergents, Carpet Cleaners, Surface Cleaners, Floor Cleaners and Solid Air Fresheners.

MASTER LABEL

[Sub-label A: Preservative for Latex Emulsions used in Adhesives, Building Materials used in Manufacture of Ceilings, Ceiling Tile, Walls and Partitions, Caulks, Cellulosics, Concrete Admixtures, Inks, Latexes, Leathers, Metalworking, Cutting, Cooling and Lubricating Fluids, Pastes and Grouts, Patching Compounds, Sealants, Urethane Foams, Paints and Coatings (including Wood Coatings), Pigment Slurries, Spin Finishes.]

[Sub-label B: Preservative for Laundry Rinse Additives, Laundry Detergents, Carpet Cleaners, Surface Cleaners, Floor Cleaners and Solid Air Fresheners.]

ACTIVE INGREDIENT:	% Weight
Sodium pyrithione (Sodium 2-pyridinethiol-1-oxide)	40.0%
INERT INGREDIENTS	60.0%
TOTAL	100.0%

EPA Reg. No.

5383-146

EPA Establishment Number

5383-CHN-002

KEEP OUT OF REACH OF CHILDREN

WARNING

IN CASE OF EMERGENCY:
CALL 1-800-424-9300

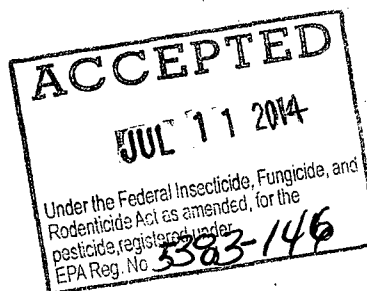
Net Weight:

[Manufactured for / Produced for / Sold by:]

Troy Chemical Corporation

One Avenue L, Newark, N.J. 07105

TROYSHIELD® and TROYGUARD® are registered trademarks



2 SUBMISSION

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TROYSHIELD® FSP40

SUB-LABEL A

Preservative for Latex Emulsions used in Adhesives, Building Materials used in Manufacture of Ceilings, Ceiling Tile, Walls and Partitions, Caulks, Cellulosics, Concrete Admixtures, Inks, Latexes, Leathers, Metalworking, Cutting, Cooling and Lubricating Fluids, Pastes and Grouts, Patching Compounds, Sealants, Urethane Foams, Paints and Coatings (including Wood Coatings), Pigment Slurries, Spin Finishes.

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Preservative for Latex Emulsions used in Adhesives, Building Materials used in Manufacture of Ceilings, Ceiling Tile, Walls and Partitions, Caulks, Cellulosics, Concrete Admixtures, Inks, Latexes, Leathers, Metalworking, Cutting, Cooling and Lubricating Fluids, Pastes and Grouts, Patching Compounds, Sealants, Urethane Foams, Paints and Coatings (including Wood Coatings), Pigment Slurries, Spin Finishes.

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

May be fatal if absorbed through skin or inhaled. Causes substantial but temporary eye injury. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Do not breathe spray mist. Remove contaminated clothing and wash clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Applicators and other handlers must wear: goggles or face shield, long-sleeved shirt and long pants, socks and shoes, chemical-resistant gloves (such as rubber or waterproof gloves).

Follow the manufacturer's instructions or cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

USER SAFETY RECOMMENDATIONS:

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing.

FIRST AID	
IF IN EYES:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a Poison Control Center or doctor for treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> • Call a Poison Control Center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a Poison Control Center or doctor. • Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a Poison Control Center or doctor for treatment advice.
IF INHALED:	<ul style="list-style-type: none"> • Move person to fresh air • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

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	<ul style="list-style-type: none">• Call a Poison Control Center or doctor for treatment advice.
Hot Line Number: For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents) call the National Telecommunications Information Center at 1-800-858-7378. For chemical emergencies (spill, leak, fire or accident) call ChemTrec at 1-800-424-9300. Have the product container or label with you when calling a Poison Control Center or doctor, or going for treatment.	
NOTE TO PHYSICIAN:	
Convulsions, if persistent may be controlled by careful intravenous use of short-acting barbiturates. Probably mucosal damage may contraindicate the use of gastric lavage.	

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ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional office of the EPA. This pesticide is a chelating agent and should not be used with other chelating agents or with chlorine.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons. Do not use for applications involving direct or indirect food/drinking water contact.

Troyshield®FSP40 can be used for the preservation of latex emulsions used in adhesives, caulks, patching compounds, sealants, pastes and grouts. It can be used to inhibit the growth of bacteria and fungi in dry wall and gypsum, plaster-like, mineral-based or cellulose derived building materials used in the manufacture of ceilings, ceiling tile, walls and partitions. For the in-can preservation of water-based chemical or mineral admixtures used in concrete.

Troyshield®FSP40 can be used for the dry film preservation of adhesives, latexes, urethane foams, cellulosics, caulks, patching compounds, sealants, architectural paints, industrial paints and coatings (including wood coatings), pastes and grouts. It can also be used to inhibit the growth of bacteria and fungi in inks such as aqueous based inks, printing solutions, pigment slurries or press cake.

For control of bacterial and fungal degradation of hides and skins and to inhibit the growth of bacteria and the formation of bacterial slime in synthetic fiber lubricants (spin finishes).

Troyshield®FSP40 can be used to inhibit bacterial and fungal growth in aqueous-based fluids such as metalworking, cutting, cooling and lubricating fluids.

See accompanying product information sheet for additional rates and directions for use.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Do not store above 130 F (55 C). Keep container tightly closed when not in use. Do not store with strong oxidizing agents.

CONTAINER DISPOSAL: Non-refillable container: Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete

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revolution, for 30 seconds. Stand the container over on its other end and tip it back and forth several times. Empty rinsate into application equipment or a mix tank or store rinsate for later use or dispose of in a sanitary landfill or incinerate, if allowed by state and local authorities, by burning. If burned stay out of smoke. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.



TROYSHIELD® FSP40

EPA Reg No. 5383-146

DIRECTIONS FOR USE

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Troyshield®FSP40 can be used for the preservation of *latex emulsions used in adhesives, caulks, patching compounds, sealants, pastes and grouts*. To inhibit bacterial growth in latex emulsions for a period of up to one year, a dosage of up to 1000 ppm of this product (1 lb. of this product per 1000 lbs. of emulsion) is recommended. Product may be added at any time during the formulation procedure by pouring from the container.

To inhibit the growth of bacteria and fungi in dry wall and gypsum, plaster-like, mineral-based or cellulose derived building materials used in the manufacture of Ceilings, Ceiling Tile, Walls and Partitions: Addition of up to 9600 ppm of this product (9.6 lbs. of product per 1000 lbs of the formulation, i.e. wet slurry) will inhibit the growth of bacteria and fungi. It can be added at any time during the formulation procedure. Alternatively, the product may be added to latex or other types of coating systems routinely applied to the surfaces of walls, ceiling tiles, partitions, etc. at the same dosage as above.

To control growth of fungi in gypsum wallboard add up to 9600 ppm of this product (9.6 lbs. of product per 1000 lbs. of the formulation) will inhibit the growth of fungi. It can be added at any time during the formulation process. For example, to control the growth of fungi in Gypsum and Dry Wall add a minimum of 1000 ppm of this product (1.0 lb. of product per 1000 lbs. of formulation).

For the in-can preservation of water-based chemical or mineral admixtures used in concrete: Add up to 1000 ppm of this product can inhibit microbial growth (bacteria and fungi) in admixtures. Admixtures can be preserved by addition of 1000 ppm of this product (1.0 lb. of this product per 1000 lbs. of admixture).

For the dry film preservation of adhesives, latexes, urethane foams, cellulosics, caulks, patching compounds, sealants, architectural paints, industrial paints and coatings (including wood coatings), pastes and grouts: Add up to 12500 ppm (12.5 lbs. of this product per 1000 lbs. of formulation). This dose can inhibit microbial growth (bacteria and fungi) in the dry film of these products. This product can be added at any time during the formulation procedure. As an example, sheet vinyl adhesives used in the

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installation of vinyl flooring can be preserved by the addition of 5200 ppm of this product (5.2 lbs. per 1000 lbs. of adhesive).

For aqueous based inks: To inhibit the growth of bacteria and fungi in inks such as aqueous based inks, printing solutions, pigment slurries or press cake, add up to 1250 ppm of this product. While the inks are use, a concentration of 0.125 % w/w of this product is necessary. The amount of this product to be added at the time of manufacture of the ink to obtain the above concentrations, at the time of use will vary with the shelf life of the ink. Use the table below to determine concentrations to add to the ink:

<u>Shelf-Life (months)</u>	<u>% Troysshield®FSP40</u>
36	1.25
24	0.65
18	0.475
12	0.3125
8	0.25

To inhibit the growth of bacteria in neutral or slightly acidic aqueous based jet-printer inks for periods of up to 4 weeks while the inks are in use, add 0.75% w/w of this product to the ink at the time of manufacture. To avoid decomposition of this product during shelf-life of the ink airtight packaging must be used. In all cases, this product may be added to the ink at any point in the manufacturing process by pouring or dispensing from the container.

For leather use treatment rates of 0.02-1.0% based on the weight of the leather stock and prevent bacterial and fungal degradation of hides and skins. Application level is dependent on the type of hide or leather to be protected, the length of protection desired and the presence of other constituents in the processing formula. The optimum addition should be determined by trial for each individual application. For soaking raw hides this product should be added to the water to be used for soaking. For treating hides cured with dry salt, this product should be added to the hides or should be mixed with the salt before it is applied to the hides. This product can be used for the protection of wet leather stock such as pickled, chrome, chrome alternative, metal-free and vegetable tanned leathers from mold and mildew during in-tannery wet processing and for the protection of wet-blue during the long storage and transportation times. Treatment rates should be calculated based on the wet weight or wet blue weight and compatibility with chrome solutions or other treatment chemicals should be confirmed prior to trial.

To inhibit bacterial and fungal growth in aqueous-based fluids such as metalworking, cutting, cooling and lubricating fluids add an initial dose of up to 1250 ppm of this product (1.25 lbs. of this product per 1000 lbs. of solution) to the solution by pouring or dispensing from the container and subsequent maintenance doses of up to 1250 ppm (1.25 lbs. of the product per 1000 lbs. of solution) every 7-10 days or as needed. This product may be used at fluid to water ratios of 1:10 to 1:100. This product may be added to the fluid at the time it is prepared (diluted) or to the reservoir (sump) containing the fluid after is it put into use. If it is added to the reservoir, the fluid should be circulated

after addition of this product. Drain the system, clean with a cleaner designated for this purpose, rinse with water and refill with fresh fluid containing this product (up to 1250 ppm). Frequent checks (at least once per week) of the bacterial and fungal population in the system should be made using standard testing procedures. When the bacterial count reaches 10^7 and/or the fungal count reaches 10^3 organisms per ml., add additional product according to the above directions. If this does not reduce the bacterial and/or fungal count below the above value in 12-24 hours the fluid should be discarded and replaced after cleaning the system. Add this product to the fresh fluid according to the above directions. When adding fresh, diluted fluid to compensate for dragout or other losses, add this product to make-up fluid according to the above directions.

For the control of bacteria and fungi in metalworking, cutting, cooling and lubricating fluid concentrates add an amount that will give up to a 1250 ppm solution. The amount required in the concentrate will depend on the end use dilution. For example, if the desired level of this product is 1250 ppm and the end use dilution of the fluid is 5%, then a 2.5% concentration of this product is required in the concentrate ($1250 \text{ ppm} / 0.05 = 25000 \text{ ppm}$ or 2.5%).

For aqueous synthetic fiber lubricants (spin finishes): To inhibit the growth of bacteria and the formation of bacterial slime in synthetic fiber lubricants (spin finishes) for periods of 2-4 weeks during use, add 1250 ppm (1.25 lbs. per 1000 lbs. of lubricant) of this product to the diluted lubricant. This product may be used in lubricant solutions containing 5-10% lubricant concentrate (water to lubricant ratios of 20-1 to 10-1). This product should be added by pouring or dispensing from the container to the diluted lubricant in the dilution tank.