



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

September 11, 2025

Teri Muchow
Arch Wood Protection Canada
Electronic Transmittal: Teri.muchow@lonza.com

Subject: Label Amendment – Changes Required by the Boric Acid
Amended Interim Registration Review Decision
Product Name: T-2154 F-2 Concentrate
EPA Registration Number: 74487-1
Received Date: 12/21/2018
Decision Number: 549085

Dear Teri Muchow:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

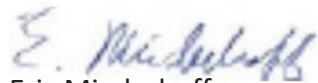
The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the Registration Review of the above referenced product in connection with the Boric Acid Amended Interim Decision, and has concluded that your submission is acceptable.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. Pursuant to 40 CFR 156.10(a)(6) you must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 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 its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. See FIFRA section 2(p)(2). If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process, FIFRA section 12(a)(1)(B). Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Megan Snyderman by phone at 202-566-0639, or via email at Snyderman.Megan@epa.gov.

Sincerely,



Eric Miederhoff
Chief, Reevaluation Branch
Antimicrobials Division
EPA Office of Pesticide Programs

Enclosure: Stamped Label

MASTER LABEL

T-2154 F-2 CONCENTRATE

T2154 liquid Microbicide

INGREDIENT STATEMENT**ACTIVE INGREDIENTS:**

Disodium Octaborate tetrahydrate.....	16.67%
Didecyldimethyl ammonium chloride	11.42%

OTHER INGREDIENTS:	<u>71.91%</u>
TOTAL:	100.00%

ACCEPTED

09/11/2025

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 74487-1

KEEP OUT OF REACH OF CHILDREN**DANGER****POISON****FIRST AID**

IF SWALLOWED: Call a Poison Control Center or doctor immediately for treatment advice. Have a 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 INHALED: 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. Call a Poison Control Center or doctor for further treatment advice.

IF ON SKIN OR CLOTHING: 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 IN EYES: Hold eye(s) open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue to rinse eye(s). Call a Poison Control Center or doctor for treatment advice.

Have the product container or label with you when you call a Poison Control Center or doctor, or when going for treatment. For Medical Emergencies: CHEMTREC 1-800-424-9300 [CCN 864796].

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage. This product is extremely toxic via the inhalation route.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA EST NO. xxxx-yy-zz

EPA Reg. No. 74487-1

ARCH WOOD PROTECTION CANADA CORP
PO Box 60086
Oakville, Ontario L6L 6R4 Canada

NET CONTENTS: #####

MASTER LABEL

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Contains Disodium Octaborate Tetrahydrate and Didecyldimethyl Ammonium Chloride.

For use on whole logs, timber, lumber, and millwork by either dip or spray.

General Instructions:

A delay in treatment of 24 hours or more permits the start of stain, mold, and decay growth on freshly cut wood. Freshly sprayed or dipped lumber should be protected from rainfalls. Dip tanks and drip aprons must be properly maintained.

Spray boxes must be equipped with mechanical means of preventing the escape of droplets or entrained aerosol.

Mixing Instructions:

Mix no more than one gallon of F-2 Concentrate per four to six gallons of water for spray. Contact Arch Wood Protection for recommendations. The operational target deposit of level of Didecyldimethyl Ammonium Chloride on the surface of treated lumber is 100 micrograms per square centimeter for sapstain control and up to 500 micrograms per square centimeter on Millwork and other wood for long term protection. The second level of protection provided by F-2 is Disodium Octaborate which is a proven fungicide and insecticide. The Boric Acid equivalent (BAE) of F-2 is 20.16%. Actual deposit levels should be verified periodically using available analytical techniques. Contact Arch Wood Protection for further information. Use part of the dilution water to rinse container, if applicable to reduce residue in container.

PHYSICAL AND CHEMICAL HAZARD

Do not use or store near heat or open flame.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place. Open dumping is prohibited.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: [For containers > 5 gallons] Nonrefillable Container. Do not refill or reuse container. Triple rinse as follows: Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose of in a sanitary landfill.

[For containers < 5 gallons] Nonrefillable Container. Do not refill or reuse container. Triple rinse as follows: Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose of in a sanitary landfill.

MASTER LABEL

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

FATAL IF INHALED. CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS. MAY BE FATAL IF SWALLOWED OR ABSORBED THROUGH THE SKIN.

Do not breathe spray mist. Wear respiratory protective device approved by the Mine Safety and Health Administration and the National Institute for Occupational Safety and Health and face shield. Wash thoroughly with soap and water after using. Remove contaminated clothing and wash before reuse. Use only in well ventilated areas. Do not wear contact lenses.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- A NIOSH-approved respirator with an ammonia, organic, and HEPA cartridge such as P-100
- Coveralls over long-sleeved shirt and long pants
- Socks and chemical resistant footwear
- Goggles or face shield
- Chemical-resistant gloves (such as: Barrier Laminate or viton)

USER SAFETY REQUIREMENTS & RECOMMENDATIONS

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

Users must wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Users must remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users must remove personnel protective equipment immediately after handling this product.

Wash outside of gloves before removing.

ENVIRONMENTAL HAZARDS

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.

Wood treatment facilities must take steps to prevent runoff of the product into the waterway. Treated material stored outdoors within 100 feet of a pond, lake, stream, or river must be covered, surrounded by a containment berm, or otherwise protected to prevent surface water runoff. The containment berm must be of sufficient height to prevent runoff during heavy rainfall events.