



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

March 4, 2015

Susan Stracquatano
Agent, Dalian Bio-Chem Company Limited
c/o Delta Analytical Corporation
12510 Prosperity Drive, Suite 160
Silver Spring, MD 20904

Subject: Label Notification per PRN 98-10 – Revised Minor Label Changes and Correct
Typographical Errors
Product Name: Extracide F150
EPA Registration Number: 87857-1
Application Date: February 3, 2015
Decision Number: 500073

Dear Ms. Stracquatano:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

If you have any questions, you may contact Terria Northern at 703-347-0265 or via email at northern.terria@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to be "S. Murasaki", written over a horizontal line.

for
Seiichi Murasaki, Acting Product Manager 33
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs

03/04/2015

EXTRACIDE F150

Industrial microbicide for use in Air Conditioner/Refrigeration Condensate Water Systems, Air Washer Systems, Brewery Pasteurizer/Can Warmer/Retort Water Systems, Coal Slurry Systems, Dispersed Pigments^[*], Evaporative Condenser Water Systems, Hydrostatic Sterilizer Water Systems, Immersion Ultrasonic Tank Water^[*], Industrial Process Water Systems, Industrial Scrubbing Systems, Industrial Wastewater Treatment Systems^[*], Influent Water Filtration Systems, Laboratory Equipment Water Baths^[*], Oil Field Injection Waters, Paint Spray Booth Systems, Papermill Slime Control^[*], Polymer Latexes^[*], Recirculating Closed Loop Water Cooling Systems, Recirculating Electrodeposition Systems, Recirculating Water Cooling Towers, Reverse Osmosis and Ultra Filtration Systems, Sewage Systems^[*], and Wood Mildew Control^[*].

ACTIVE INGREDIENTS:

5-Chloro-2-methyl-4-isothiazolin-3-one	1.2%
2-Methyl-4-isothiazolin-3-one	0.4%
OTHER INGREDIENTS:	98.4%
TOTAL:	100.0%

KEEP OUT OF REACH OF CHILDREN DANGER

FIRST AID	
IF ON SKIN:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 min. • Call a poison control center or doctor for treatment advice.
IF IN EYES:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 min. • Remove contact lenses, if present, after first 5 min. then continue rinsing eye. • 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. • Call a poison control center or doctor for further treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Have person sip a glass of water if able to swallow. Do not give anything to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. In case of emergency, call poison control center at 1-800-222-1222 for treatment advice.	
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measure against circulatory shock, respiratory depression and convulsions may be necessary.	

SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

EPA Reg. No.: 87857-1

EPA Est. No.:

Manufactured by: Dalian Bio-Chem Company Limited
11F, Anda Business Mansion, No. 32 Wuwu Road
Zhongshan District, Dalian, China

NET CONTENTS:

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: CORROSIVE. CAUSES EYE DAMAGE AND SKIN BURNS. MAY BE FATAL IF ABSORBED THROUGH THE SKIN OR SWALLOWED. MAY CAUSE ALLERGIC SKIN REACTION. HARMFUL IF INHALED. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly with soap and water after handling and before eating drinking or using tobacco. Remove contaminated clothing and wash before reuse. Avoid breathing vapor or mist.

ENVIRONMENTAL HAZARDS

This chemical is toxic to aquatic plants, 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 Pollution 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 system without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA. Do not contaminate water by cleaning of equipment or disposal of waste. Apply this pesticide only as specified on this label.

DIRECTIONS FOR USE

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

For the control of microbial biofilms, bacteria, fungi and algae, add EXTRACIDE F150 to air conditioner/refrigeration condensate water systems, can warmers, coal slurry systems, evaporative condenser water systems, hydrostatic sterilizer water systems, immersive ultrasonic tank water^[*], industrial recirculating closed loop water cooling systems, industrial recirculating water cooling towers, industrial scrubbing systems, influent water filtration systems, laboratory equipment water baths^[*], **brewery** pasteurizers, retort water systems, and **industrial process** water systems. Add EXTRACIDE F150 microbicide at some point in the system to insure uniform mixing.

INITIAL DOSE: When the system is noticeably fouled, apply 148 - 883 ppm EXTRACIDE F150 microbicide (1.26 - 7.46 pounds or 19 - 113 fluid ounces of EXTRACIDE F150 per 1000 gallons of water in the system.) Repeat until control is achieved. Clean badly fouled systems before treatment is begun.

SUBSEQUENT DOSE: When microbial control is evident, add 35 - 219 ppm EXTRACIDE F150 microbicide (0.3 - 1.86 pounds or 4.5 - 28 fluid ounces of EXTRACIDE F150 per 1000 gallons of water in the system) weekly or as needed to maintain control.

AIR WASHER SYSTEMS / PAINT SPRAY BOOTHS

Add to the air washer sump, chill water sump or paint spray booth to insure uniform mixing, 35 - 883 ppm EXTRACIDE F150 microbicide (0.3 - 7.46 pounds or 4.5 - 113 fluid ounces of EXTRACIDE F150 per 1000 gallons of water in the system) depending upon the severity of contamination to control microbial biofilms, bacteria, fungi, and algae which cause fouling in industrial air washer systems and paint spray booths.

INTERMITTENT OR SLUG METHOD

INITIAL DOSE: When the system is noticeably fouled, apply 148 - 883 ppm EXTRACIDE F150 microbicide (1.26 - 7.46 pounds or 19 - 113 fluid ounces of EXTRACIDE F150 per 1000 gallons of water in the system.) Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 35 - 219 ppm EXTRACIDE F150 microbicide (0.3 - 1.86 pounds or 4.5 - 28 fluid ounces of EXTRACIDE F150 per 1000 gallons of water) in the system weekly or as needed to maintain control. Badly fouled systems should be cleaned before treatment is begun.

CONTINUOUS FEED METHOD

INITIAL DOSE: When the system is noticeably fouled, apply 148 - 883 ppm EXTRACIDE F150 microbicide (1.26 - 7.46 pounds or 19 - 113 fluid ounces of EXTRACIDE F150 per 1000 gallons of water in the system.)

SUBSEQUENT DOSE: Maintain this treatment level by adding a continuous feed of 35 - 219 ppm EXTRACIDE F150 (0.3 - 1.86 pounds or 4.5 - 28 fluid ounces of EXTRACIDE F150 per 1000 gallons of makeup water). Badly fouled systems must be cleaned before initial treatment.

NOTE: For use only in systems that maintain effective mist-eliminating components.

DISPERSED PIGMENT PRESERVATION [*]

EXTRACIDE F150 microbicide is recommended for the control of microbial biofilms, bacteria and fungi in the manufacture and storage of dispersed pigments such as kaolin and montmorillite clays, titanium dioxide, calcium carbonate, calcium sulfate, barium sulfate, magnesium silicate, and kieselguhr used in paint and paper productions. Add 0.43 - 1.65 pounds of EXTRACIDE F150 (195 - 750 grams) to each 1000 pounds (453 kilograms) of fluid to provide 425 to 1675 ppm product (6.25 - 25 ppm active isothiazolones).

INDUSTRIAL WASTEWATER TREATMENT SYSTEMS AND SEWAGE SYSTEMS[*]

EXTRACIDE F150 microbicide is recommended for the control of microbial biofilms, bacteria, fungi, and algae in industrial wastewater treatment and sewage systems. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority.

INITIAL DOSE: When the system is noticeably fouled, apply 148 - 883 ppm EXTRACIDE F150 microbicide (1.26 - 7.46 pounds or 19 - 113 fluid ounces of EXTRACIDE F150 per 1000 gallons of water in the system.) Repeat until control is achieved. Clean badly fouled systems before treatment is begun.

SUBSEQUENT DOSE: When microbial control is evident, add 35 - 219 ppm EXTRACIDE F150 microbicide (0.3 - 1.86 pounds or 4.5 - 28 fluid ounces of EXTRACIDE F150 per 1000 gallons of water in the system) weekly or as needed to maintain control.

OIL FIELD INJECTION WATERS

For the control of microbial biofilm-forming and sulfate-reducing bacteria in oil and gas field water systems, including enhanced recovery injection fluids, drilling, fracturing and completion fluids, slug treat with 67 - 332 ppm EXTRACIDE F150 microbicide depending on the severity of contamination.

INITIAL DOSE: Add 166 - 332 ppm EXTRACIDE F150 (6.9 - 13.9 gallons or 58.0 - 116.8 pounds EXTRACIDE F150 per 1000 barrel of water) at a point in the system where it will be uniformly mixed. Repeat treatment after three days or as needed until control is achieved.

SUBSEQUENT DOSE: Add 67 - 166 ppm EXTRACIDE F150 (2.8 - 6.9 gallons or 23.5 - 58.0 pounds EXTRACIDE F150 per 1000 barrels of water) every seven days or as needed to maintain control.

POLYMER LATEX PRESERVATION[*]

EXTRACIDE F150 microbicide is recommended for the control of bacteria and fungi in the manufacture and storage of synthetic and natural polymer latices including: acrylic, styrene/butadiene, carboxylated

styrene/butadiene, ethylene/vinyl acetate; biopolymers intended for industrial use, such as a xanthum gum, gum arabic, guar gum, protein-derived polymers, starches, casein-derived polymers latices; and solution polymers. Add 0.43 - 3.3 pounds of EXTRACIDE F150 (195 grams - 1.5 kilograms) to each 1000 pounds (453 kilograms) of emulsion to provide 425 - 3350 ppm product (6.25 - 50 ppm active isothiazolones).

NOTE: To insure uniform mixing, add EXTRACIDE F150 to latex or solutions slowly with agitation. The actual required concentrations will depend upon such factors as the specific substance to be treated, frequency of repeated microbial contamination expected, and level of production required.

PULP AND PAPER MILLS^[*]

For the control of microbial biofilms, bacteria, algae and fungi, add EXTRACIDE F150 microbicide to the Beater, Hydropulper, or Fan or Broke Storage Pumps or some other point in the system to insure uniform mixing. Apply 0.44 to 1.5 lb (7 - 23 fluid ounces) of EXTRACIDE F150 microbicide per ton (dry basis) of pulp or paper produced as a slug dose. If needed, repeat daily. Clean badly fouled systems before initial treatment.

RECIRCULATING ELECTRODEPOSITION SYSTEMS

METHOD OF ADDITION

EXTRACIDE F150 microbicide is recommended as a tankside additive for the control of microbial biofilms, bacteria, fungi, and algae in recirculating electrodeposition systems and associated rinse systems. Alternatively, EXTRACIDE F150 microbicide may be added through the components of the electrodeposition paint prior to their addition to the electrodeposition system.

TANK SIDE ADDITION TO ELECTRODEPOSITION SYSTEMS

EXTRACIDE F150 microbicide should be dispensed into the recirculating rinse system, ultrafilter permeate, or final distilled rinse system at a point to ensure uniform mixing.

INITIAL DOSE: When the system is noticeably fouled, add 667 - 2333 ppm EXTRACIDE F150 microbicide (6.7 - 23.3 gallons per 10,000 gallons of fluid in the system). This will provide 10 - 35 ppm of active ingredient. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 333 - 1000 ppm EXTRACIDE F150 microbicide (3.3 - 10 gallons per 10,000 gallons of fluid in the system). This will provide 5 - 15 ppm of active ingredient. A change of frequency of treatment may be required depending upon the rate of dilution of the preservative with the makeup fluid, the nature and severity of contamination level of control required, filtration effectiveness and system design.

TREATMENT OF ELECTRODEPOSITION PAINT COMPONENTS

INITIAL DOSE OF PAINT COMPONENTS

EXTRACIDE F150 microbicide should be added to the resin, pigment, or other component of the electrodeposition paint at a level to ensure that the final use-dilution fluid will contain 333 - 2333 ppm product (5 - 35 ppm active ingredient).

SUPPLEMENTAL TANKSIDE DOSING OF ELECTRODEPOSITION SYSTEMS

If additional microbial control is necessary, EXTRACIDE F150 microbicide may be added to the electrodeposition system tankside to supplement microbicide incorporated through paint components.

INITIAL DOSE: If the system becomes noticeably fouled, add 667 - 2333 ppm EXTRACIDE F150 microbicide (6.7 - 23.3 gallons per 10,000 gallons of fluid in the system). This will provide 10 - 35 ppm of active ingredient. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 333 - 1000 ppm EXTRACIDE F150 microbicide (3.3 - 10 gallons per 10,000 gallons of fluid in the system) weekly or as needed. This will provide 5 - 15 ppm of active ingredient.

NOTE: Regardless of the manner of incorporation, the total active ingredient level in the system should at no time exceed 35 ppm (equivalent to 2333 ppm EXTRACIDE F150 microbicide or 23.3 gallons per 10,000 gallons system fluid).

ULTRA FILTRATION UNITS AND NON-MEDICAL/NON-POTABLE REVERSE OSMOSIS SYSTEMS

EXTRACIDE F150 Microbicide is recommended for the control of microbial biofilms, bacteria and fungi in ultra filtration units and nonmedical/non-potable reverse osmosis systems. Use of EXTRACIDE F150 microbicide in potable water or dialysis is prohibited. Add 10 - 333 ppm of EXTRACIDE F150 microbicide (0.15 - 5 ppm active ingredient) into industrial ultra filtration or reverse osmosis systems by either continuous feed or periodic injection. Compatibility of EXTRACIDE F150 microbicide with reverse osmosis membranes should be confirmed with membrane manufacturers.

For the control of bacteria and fungi in carbon beds, add 10 - 333 ppm of EXTRACIDE F150 microbicide (0.15 - 5 ppm active ingredient) by either continuous or batch feed.

For periodic membrane cleaning, add 0.4 - 1.0 lb. of EXTRACIDE F150 microbicide to every 120 gallons of cleaning solution (6 - 15 ppm active ingredient).

Clean badly fouled systems before treatment is begun.

WOOD AND WOOD PRODUCTS^[*]

EXTRACIDE F150 microbicide is recommended for the protection of wood and wood products, such as landscape timbers, fences, posts, pilings, cross ties, decks, and similar exterior structures from mold and mildew. Treat southern yellow pine, hemlock, ponderosa pine, and other soft woods with 148 - 1000 ppm EXTRACIDE F150 (1.26 - 8.4 pounds or 13 - 128 fluid ounces of EXTRACIDE F150 per 1000 gallons) as an aqueous dip or pressure treatment for mold and mildew control. Thoroughly wet and allow to dry. A single application will afford protection for 12 weeks.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Keep this product in the original container when not in use. Container must be stored and transported in an upright position to prevent spilling the contents.

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide 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 HANDLING

[Use the following for product sold in nonrefillable containers:]

Nonrefillable 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 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 if available, or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill or by incineration.

[Use the following for product sold in refillable containers:]

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer container for recycling if available, or reconditioning if appropriate, or puncture and dispose of in sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

CONDITIONS OF SALE AND WARRANTY

Dalian Bio-Chem Company Limited warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions as defined under the Directions for Use on this label. Dalian Bio-Chem Company Limited makes no other express or implied warranties, either of merchantability or fitness, for a particular use. Handling, storage, and use of the product by Buyer or User are beyond the control of Dalian Bio-Chem Company Limited and Seller. Risks such as ineffectiveness or other unintended consequences resulting from, but not limited to, failure to follow directions will be assumed by the Buyer or User. To the extent permitted by law, neither Dalian Bio-Chem Company Limited nor Seller shall be liable for consequential, special, or indirect damages resulting from the use, handling, application, storage, or disposal of this product.

[Batch code]

[*] Not For Use in the State Of California