



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

87857-4

Date of Issuance:

7/19/21

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Extracide M50

Name and Address of Registrant (include ZIP Code):

Jeff Jones, Agent
Dalian Bio-Chem Company Limited
c.o Delta Analytical Corporation
12510 Prosperity Drive

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Steven Snyderman, Product Manager 33
RMBII, Antimicrobials Division (7510P)

Date:

7/19/21

2. You are required to comply with the data requirements described in the DCI Order identified below:

- a. 2-Methyl-4-isothiazolin-3-one; GDCI-107104-1479

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI Order listed above, you may contact the Reevaluation Team Leader (Team 36): <http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-division>

3. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.
4. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 87857-4.”
5. Submit one copy of the final printed label for the record before you release the product for shipment.

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) lists 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 Assurance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under 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. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 1/27/2021

If you have any questions, please contact Perri Moeller by phone at (703) 347-8618, or via email at moeller.perri@epa.gov.

Enclosure: Signed Stamped Label

EXTRACIDE M50

MANUFACTURING USE PRODUCT. For use by manufacturers to formulate industrial microbicides for use in metal working fluids concentrates, polymer latices, paints and coatings, building materials, dispersed pigments, fuel, adhesives and tackifiers, printing fluids, textile chemical preservation, in-container preservation, as a tankside additive for metal working fluids, conveyor lubricants, hydraulic fluids, metal cleaning fluids, photographic emulsion, commercial photoprocessing emulsions, recirculating electrodeposition systems, recirculating water cooling towers, air washer systems, recirculating closed loop water cooling systems, paper mills paper not for food contact, oil field injection waters, and household consumer, industrial and janitorial products.

ACTIVE INGREDIENTS:	
2-Methyl-4-isothiazolin-3-one	50.00%
OTHER INGREDIENTS:	50.00%
TOTAL:	100.00%

KEEP OUT OF REACH OF CHILDREN
DANGER

[NOTE TO REVIEWER: IN ACCORDANCE WITH 40 CFR 156.68(D), ALL FIRST AID STATEMENTS WILL APPEAR ON THE FRONT PANEL OF THE PRODUCT LABEL.]

FIRST AID	
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 IN EYES:	<ul style="list-style-type: none"> • Hold eyes 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 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. • Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person. • Do not induce vomiting unless told to do so by a poison control center or doctor.
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. For medical emergencies, call the poison control center 1-800-222-1222. For general information on this product, contact the National Pesticides Information Center (NPIC) at 1-800-858-7378 Monday through Friday, 8 AM to 12 PM PST, or at www.npic.orst.edu.</p>	
<p>NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be necessary.</p>	

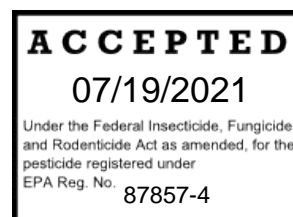
[SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS.]

EPA Reg. No. 87857-

EPA Est. No. 87857-CHN-2

Manufactured by:
Dalian Bio-Chem Company Limited
Songmudao Chemical Industry Zone, Puwan New District
Dalian 116308, Liaoning China

NET WEIGHT:



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed, inhaled, or absorbed through skin. Do not get in eyes, on skin or on clothing. Do not breathe vapor or spray mist. Wear goggles, face shield or safety glasses. Wear coveralls over long-sleeved shirt and long pants, socks, chemical-resistant footwear and chemical-resistant gloves. When mixing and loading wear a chemical-resistant apron. Wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R, or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N, R, or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

PHYSICAL OR CHEMICAL HAZARDS

Incompatible with strong oxidizers. Do not apply in marine and/or estuarine oil fields.

ENVIRONMENTAL HAZARDS

This chemical is toxic to terrestrial and 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 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 EPA.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Extracide M50 is intended for formulation into antimicrobial products that will be registered with the EPA. Note to formulators: Formulators are responsible for obtaining their own EPA Registration Number and developing the data required to support their registrations. Extracide M50 is designed for formulation into end-use pesticides products which are intended for use as a preservative/microbicide in the final commodity products listed below.

ADHESIVE AND TACKIFIER PRESERVATION

Extracide M50 microbicide is recommended as an in-container preservative for the control of bacteria and fungi in water-soluble and water-dispersed adhesives such as animal glues, vegetable glues, natural rubber latices, polyvinyl acetate, styrene/butadiene and acrylic latices. Extracide M50 is recommended as a preservative for tackifiers derived from rosin and hydrocarbon resins

BUILDING MATERIAL PRESERVATION

Extracide M50 microbicide is recommended as an in-container preservative for the control of bacteria and fungi in building materials such as mastics, caulks, joint cements, spackling, and grouting.

COMMERCIAL PHOTOPROCESSING SYSTEM PRESERVATION

Extracide M50 industrial microbicide is recommended to prevent slime formation or accumulation in photoprocessing tanks, replenishment systems, effluent, silver recovery and waste streams of commercial photoprocessing systems for the maintenance of non-fouled systems.

DISPERSED PIGMENT PRESERVATION

Extracide M50 microbicide is recommended for the control of 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.

FUEL PRESERVATION

Extracide M50 microbicide is recommended for the control of bacteria and fungi in liquid hydrocarbon fuels such as: aviation fuels, kerosene, heating oils, diesel fuels, and residual fuel oils. FOR USE IN AVIATION FUEL, THE FEDERAL AVIATION ADMINISTRATION MUST BE CONSULTED AS TO THE ACCEPTABILITY OF THE ADDITIVE FOR USE IN SPECIFIC ENGINES AND/OR AIRCRAFT.

HOUSEHOLD CONSUMER, INDUSTRIAL, JANITORIAL PRODUCTS

Extracide M50 microbicide is recommended for the control of bacteria and fungi in liquid and solid soaps, liquid and solid cleaners, liquid and solid detergents, liquid and solid laundry products, liquid and solid dishwashing detergents, waxes, polishes, liquid and solid fabric treatment/refreshers products, liquid and solid air fresheners/deodorizers, car care products, and other similar cleaners. Use for the control of bacteria and fungi in package utility products such as pre-moistened sponges and mops and for the control of bacteria and fungi in solutions that are then put into/onto wet wipes for use in industrial, commercial, and household consumer uses cited above.

INDUSTRIAL RECIRCULATING CLOSED LOOP WATER COOLING SYSTEMS

Extracide M50 microbicide is recommended for the control of bacteria, algae and fungi in industrial recirculating closed loop water cooling systems when added to the reservoir, recirculating line or some other point to ensure uniform mixing.

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS

Extracide M50 microbicide is recommended for the control of bacteria, algae and fungi in industrial recirculating water cooling towers when added to the tower basin, distributor box or some other point to ensure uniform mixing.

IN-CAN PRESERVATION

Extracide M50 microbicide is recommended as an in-container preservative for the control of bacteria and fungi in industrial, household consumer and janitorial products, such as air fresheners, automotive products, fabric softeners, hand cleaners, polishes for floors and furniture, shoe polishes, moist sponges and towelettes, spray starch, waxes and automotive polishes, hand and automatic dish detergents, liquid laundry detergents and car washes, household cleaners, industrial cleaners, liquid hand soaps, oil and grease removers, carpet cleaners and spot removers, waterless hand cleaners, raw materials for cleaning products, surfactants and silicone emulsions.

METAL CLEANING FLUID PRESERVATION

Extracide M50 microbicide is recommended as a preservative in the manufacture and use of alkaline, acid, and emulsion based metal cleaning fluids and general cleaning operations.

METALWORKING FLUID PRESERVATION

Extracide M50 microbicide is recommended for the control of bacteria and fungi in soluble and emulsifiable aqueous metalworking fluids.

METALWORKING FLUID PRESERVATION - TANKSIDE ADDITION. Extracide M50 microbicide is recommended for the control of bacteria and fungi in water-extendible metalworking fluids (soluble oil, semi-synthetic and synthetic types).

OIL FIELD INJECTION WATERS

Extracide M50 microbicide is recommended for the control of slime-forming and sulfate reducing bacteria in oil and gas field water systems, including enhanced recovery injection fluids, drilling, fracturing and completion fluids. This product may be used for terrestrial and off-shore oil drilling muds and packer fluids

PAINT AND COATINGS PRESERVATION

Extracide M50 microbicide is recommended as an in-container preservative for the control of bacteria and fungi in water-based coatings such as paper and wood coatings, and paints used for architectural product finishes, and special purpose products.

PAPER MILLS - PAPER NOT FOR FOOD CONTACT

Extracide M50 microbicide is recommended for the control of bacterial and fungal slime in the production of paper **not for food contact**.

PHOTOGRAPHIC EMULSION PRESERVATION

Extracide M50 industrial microbicide is recommended for the control of bacteria and fungi in the manufacture and storage of aqueous based materials such as gel solutions, dispersions and emulsions used in the manufacture of photographic products.

POLYMER LATEX PRESERVATION

Extracide M50 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; and biopolymers intended for industrial use, such as xanthum gum, gum arabic, guar gum, protein-derived polymers, starches, and casein-derived polymers.

PRINTING FLUID PRESERVATION

Extracide M50 industrial microbicide is recommended for the control of bacteria and fungi in the manufacture and storage of printing ink components such as resins, plasticizers, water soluble dyes, pigments, gelling agents, waxes, surfactants, thickeners, and for photoplate processing chemicals such as stabilizer solutions.

RECIRCULATING ELECTRODEPOSITION SYSTEMS

Extracide M50 microbicide is recommended as a tankside additive for the control of bacteria, fungi and algae in recirculating electrodeposition systems, associated rinse systems, and through the addition to components of the electrodeposition paint prior to their addition to the electrodeposition system.

TEXTILE CHEMICAL PRESERVATION

Extracide M50 microbicide is recommended for the control of bacteria and fungi in the manufacture and storage of textile chemicals used in the production of natural and synthetic fibers and fabrics.

WATER BASED HYDRAULIC FLUID PRESERVATION

Extracide M50 microbicide is recommended as a preservative in the manufacture and use of high water based hydraulic fluids and invert emulsion hydraulic fluids typically prepared by emulsifying 40% by volume water in 60% by volume of mineral oil using an oil soluble emulsifying agent.

STORAGE AND DISPOSAL

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

Pesticide Storage: This product is corrosive to mild steel. Do not store or transport in unlined metal containers. Do not contaminate with strong oxidizing or reducing agents. Store in original containers only. Keep container tightly closed when not in use. Store in a secure area inaccessible to children and away from food or feed. In case of spill on floor or paved surfaces, cover spillage with moist sand, soil or sawdust. Transfer to a container for proper disposal. Wash the spillage area with water. Washings must be prevented from entering surface water drains.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide is in violation of Federal Law. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. 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 of the nearest EPA Regional Office for guidance.

Container Handling:

[Use the following statement 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 $\frac{1}{4}$ 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 if available or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. **DO NOT USE CONTAINER FOR FOOD, FEED, OR DRINKING WATER.**

[Use the following statement 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.

Lot or [batch] number: