

71355-2

8/5/2014

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

AUG 05 2014

Mr. Bob MacDonald  
Regulatory Agent for,  
c/o Cid Lines nv/sa  
SRC,  
P. O. Box 1014  
Columbia City, IN 46725

Subject: KICKSTART

EPA Registration Number 71355-2  
Your Amendment Dated August 7, 2013  
EPA Received Date August 14, 2014

The amendment referred to above, submitted in connection with under section 3(c)(7)(A) in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, FIFRA, as amended, to add "Sanitizing shell eggs", "Sanitizing hatching eggs", Directions for Use for Cleaning, "Water transfer line systems", revise the "Sanitizing animal drinking water lines", correct spelling and grammar, and update the "Storage and Disposal" sections of the product labeling is acceptable.

Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data. 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 152.130(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 questions concerning this letter, please contact Karen M. Leavy at (703)-308-6237.

Sincerely,



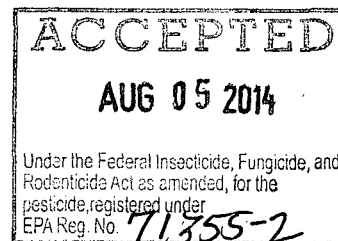
Eric Miederhoff  
Acting Product Manager, Team 33  
Regulatory Management Branch I  
Antimicrobials Division(7510P)  
Office of Pesticide Programs  
Environmental Protection Agency

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# KICKSTART

## CONCENTRATED SANITIZER AND BROAD SPECTRUM DISINFECTANT

<b>Active ingredients:</b>	
HYDROGEN PEROXIDE	26.5%
PEROXYACETIC ACID	4.9%
<b>Inert ingredients</b>	<u>68.6 %</u>
	100.0%



**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

{see back [side] panel for additional precautionary and first aid statements}

### PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

**DANGER. CORROSIVE.** Causes irreversible eye damage and skin burns. May be fatal if inhaled or absorbed through the skin. Harmful if swallowed. Do not breathe vapors or spray mist. Do not get in eyes, on skin, or on clothing. Wear protective eyewear, protective clothing, and rubber gloves when handling. Do not enter an enclosed area without proper respiratory protection. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse.

### PHYSICAL AND CHEMICAL HAZARDS

**STRONG OXIDIZING AGENT.** Corrosive. Mix only with water. Product must be diluted in accordance with label directions prior to use. KICKSTART is not combustible; however, at temperatures exceeding 156°F, decomposition occurs releasing oxygen. The oxygen released could initiate combustion.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds, fish and aquatic invertebrates. Caution should be used when applying indoors because pets may be at risk. 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.

### KICKSTART is an effective disinfectant against:

Bacteria :	dilution
<i>Staphylococcus aureus</i> (ATCC 6538)	1:256
<i>Salmonella choleraesuis</i> (ATCC 10708)	1:256
<i>Listeria monocytogenes</i> (ATCC 15313)	1:512
<i>Mycoplasma gallinarum</i> (ATCC 19708)	1:512
<i>Salmonella choleraesuis</i> serotype enteritidis (ATCC 13076)	1:512
<i>Pseudomonas aeruginosa</i> (ATCC 15442)	1:200
<i>Escherichia coli</i> 0157:H7	1:427
<b>Fungus</b> (on environmental surfaces) :	
<i>Aspergillus fumigatus</i> (ATCC 36607)	1:128
<b>Virus</b> (on environmental surfaces) :	
<i>Infectious Bursal Disease of Chickens</i> (ATCC D78, VR-2041)	1:384
<i>Newcastle Disease</i> (Spafas strain 539016)	1:384
<i>Avian Reovirus</i> (MERIAL SELECT strain 2408)	1:384
<i>Marek's Disease virus</i> (Spafas strain)	1:384

All tests conducted in the presence of 400ppm AOAC hard water and 5% organic soil load.

Note: Bracketed[ ] information is optional text. Text separated by a comma(,) denotes--and/or-options. {Bracketed Text} is for administrative purposes only and will not appear on the printed label.

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**KICKSTART is an effective food contact sanitizer against:**

Bacteria :	dilution
<i>Staphylococcus aureus</i> (ATCC 6538)	1:640
<i>Escherichia coli</i> (ATCC 11229)	1:640

FIRST AID STATEMENTS	
<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>• Hold eyelids 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 eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN or CLOTHING</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing</li> <li>• Rinse skin immediately with plenty of soap and water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF INHALED</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth- to- mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>NOTE TO PHYSICIAN:</b>	
Probable mucosal damage may contraindicate the use of gastric lavage	

**APPLICATION:**

To disinfect non-food contact surfaces of farm, animal and poultry housing facilities and equipment, thoroughly mix one fluid ounce of this product with one and a half gallons of water (1:200). Follow all of the cleaning and application instructions indicated in each of the sections below. In order to effectively kill fungi (i.e., *Aspergillus fumigatus*) you must use 1 fl. oz of this product per one gallon of water dilution (1:128).

To sanitize hatchery rooms, incubators and hatcher, poultry houses and livestock buildings by fogging and to sanitize animal drinking water lines thoroughly mix 1 part of this product in 8 parts of water (25 fluid ounces KICKSTART to 200 fluid ounces water). Follow instructions indicated in each of the sanitizing sections below.

To sanitize food contact surfaces, thoroughly mix 1 fluid ounce of this product in 5 gallons of water (1:640). Follow instructions in the food contact sanitizing section below.

To sanitize non-food contact surfaces thoroughly mix 1.75 fluid ounces of this product in 5 gallons of water (1:366). Follow instructions in the greenhouse section below.

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## **DIRECTIONS FOR USE:**

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

### **Foam cleaning prior to sanitization or disinfection:**

Prior to sanitization or disinfection, KICKSTART may be used to clean food and non-food contact environmental surfaces. KICKSTART may be applied to environmental or equipment surfaces using conventional foam-generating equipment. **Note: When cleaning with KICKSTART, prior to sanitizing and disinfecting, KICKSTART is not combined with another product.**

### **Disinfection of non-food surfaces, farm, animal, and poultry housing facilities and equipment :**

#### **1. Farm equipment and animal housing buildings (poultry & turkey grow-out houses, laying houses, swine production and housing, barns and large animal buildings):**

For disinfection of hard, non-porous surfaces: stainless, galvanized and painted steel, copper, aluminum, finished wood, vinyl, plastics, glazed tiles, sealed brick walls, sandwich panels and feeding/drinking equipment:

- A. Remove all animals and feed from premises, vehicles and enclosures. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes, and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks, and other feeding and watering appliances.
- B. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate all surfaces with disinfecting solution by using spray, mop, or sponge. Surfaces must remain wet for 10 minutes.
- C. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed or dried.
- D. Thoroughly scrub treated feed racks, troughs, and other feeding and water appliances with soap or detergent and rinse with potable water before reuse.
- E. Disinfection of equipment: Immerse all halters, ropes, and other types of restraining equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure in the disinfecting solution for 10 minutes. Allow to air dry.
- F. Fresh disinfecting solution should be made daily.

#### **2. Hatcheries:**

Hatcheries: Remove all animals from the area. Thoroughly clean all surfaces (hatchers, setters, trays, racks, carts, sexing tables, chick boxes, cages) with soap or detergent, then rinse with water. Saturate all surfaces with disinfecting solution by using a spray, mop, or sponge. Surfaces must remain wet for 10 minutes. Do not house animals or employ equipment until surfaces have been absorbed or dried. Fresh disinfecting solution should be made daily or if visibly soiled.

#### **3. Trucks and other vehicles:**

Clean all vehicles including mats, crates, cabs, and wheels with high pressure water. Use the disinfecting solution to treat all vehicles. Leave all treated surfaces exposed to disinfectant solution wet for 10 minutes. Allow to air dry.

### **Sanitization**

For manual operations fresh sanitizing solutions should be prepared at least daily or more often if the solution becomes diluted or soiled.

For mechanical operations prepared use solution may not be used for subsequent sanitizing but may be reused for other purposes such as cleaning.

### **Sanitizing Food contact surfaces**

KICKSTART is recommended for use on pre-cleaned surfaces such as equipment, pipelines, tanks, vats, fillers, evaporators, pasteurizers and aseptic equipment in dairies, dairy farms, breweries, wineries, beverage and food processing plants (including Chicken Processing Facilities).

Before using this product, all food products and packaging materials must be removed from the room or carefully protected. Pre-clean all surfaces. Sanitize hard, non-porous surfaces by applying the 1:640 sanitizing solution with spray, mop, or sponge. All surfaces must remain thoroughly wet for at least 1 minute. Drain thoroughly and allow to air dry. Do not rinse.

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### **Sanitizing milking equipment by cluster dipping**

Clean the external surfaces of the milking system after each use. Then, either manually or automatically, rinse and sanitize all system components using a KICKSTART sanitizing solution (1:640). Ensure solution fills clusters. All surfaces must remain wet for at least 1 minute. Shake off well after dipping and allow to air dry. Do not rinse.

### **Sanitizing Shell Eggs**

To sanitize clean shell eggs intended for food or food products, spray with a solution of 1 fl. oz. of KICKSTART per 5 gallons of water. The solution must be equal to or warmer than the eggs, but not exceed 130°F. Wet eggs thoroughly and allow to drain. Eggs sanitized with this product may be broken for use in the manufacture of egg products without a prior potable water rinse. Eggs must be reasonably dry before packaging or breaking. Do not reuse solution for egg sanitizing.

### **Sanitizing Hatching Eggs**

Dilute 1 fl. oz. KICKSTART per 5 gallons of water. The solution must be equal to or warmer than the eggs but not exceed 130°F. As eggs are gathered or prior to setting, apply solution as a coarse spray

### **Sanitizing hatchery rooms, incubators and hatchers, poultry houses and livestock buildings by fogging**

#### A. Hatchery rooms:

Remove all animals and feed from the area. Remove all litter and manure from floors, walls, and surfaces of room to be treated. Thoroughly clean all surfaces (hatchers, setters, trays, racks, carts, sexing tables, chick boxes, cages) with soap or detergent then rinse with water. Close room off so fog is confined to room to be treated. Prepare a stock solution of one (1) part KICKSTART to eight (8) parts water (25 fluid ounces KICKSTART to 200 fluid ounces water). Insert the nozzle of the fogging device through a suitable opening in the room. With the setting on maximum output, fog 125 fluid ounces for each 1000 cubic yards. Do not allow people to breathe or contact the fog or to enter the room until the fog has completely settled or exhausted. Normally this is 1-4 hours in this environment. **Note:** The generated fog is very irritating to eyes, skin and mucous membranes. Under no circumstances should a room or building be entered by anyone until the fog has completely settled and the hydrogen peroxide concentration is below 0.5ppm, normally 1-4 hours after the actual fogging. If the building or room must be entered, then the individuals entering the building or room must wear a self contained respirator approved by NIOSH/MSHA, goggles, long sleeves and pants.

#### B. Incubators and hatchers:

Prepare a stock solution of one (1) part KICKSTART to eight (8) parts water. Fog 3 ounces for 100 cubic feet of this into setters and hatchers immediately after transfer. Repeat daily. Discontinue hatcher treatments approximately 24 hours before pulling the hatch. Do not allow people to contact or breathe this fog and do not enter machines until the fog has settled (30-60 minutes after fogging is completed) To do this, install permanent fogging nozzles in setters and hatchers and use an air compressor to disperse the sanitizing solution as a fog. It is also satisfactory to fog setters and hatchers with a 1:1000 solution of KICKSTART. If this is done, fog for 30-90 seconds once per hour or once every two hours.

#### C. Poultry houses and livestock buildings :

After the house has been depopulated and cleaned as in 1. A to F under "Disinfection of non-food surfaces, farm, animal, and poultry housing facilities and equipment", double check to be sure all people, poultry, livestock and pets have vacated the building. Close all windows, doors, curtains, etc. making the house closed as tight as possible. Prepare a stock solution of one (1) part KICKSTART to eight (8) parts water (25 fluid ounces KICKSTART to 200 fluid ounces water). Insert the nozzle of the fogging device through a suitable opening in the room. With the setting on maximum output, fog 125 fluid ounces for each 1000 cubic yard. The fogger itself may be placed just inside the door of the building to be treated, or the nozzle of the fogger may be inserted through a suitable opening in the door or building. The opening should be just large enough to accommodate the nozzle. After fogging, the building should be kept closed for twenty-four hours. After twenty-four hours, the fog should have settled and the house can now be opened and aired. The house should be opened for a minimum of twenty-four hours before it is repopulated with poultry or livestock.

**Note:** The generated fog is very irritating to eyes, skin and mucous membranes. Under no circumstances should a room or building be entered by anyone until the fog has completely settled

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and the hydrogen peroxide concentration is below 0.5ppm, normally 1-4 hours after the actual fogging. If the building or room must be entered, then the individuals entering the building or room must wear a self contained respirator approved by NIOSH/MSHA, goggles, long sleeves and pants. If feeders and waterers were not removed from the premise during treatment, or were not adequately covered to prevent contact with treatment, they should be washed with detergent and water before use for poultry or livestock.

**Sanitizing animal drinking water lines**

Only to be used between flocks, for total cleaning and sanitizing of the drinking line system

- A. Isolate incompatible equipment from drinking line system.
- B. Fill the system with a 0.78% solution of KICKSTART by using a standard 1:128 medicator pumping directly from the container. Allow this solution to remain in the drinking water system for 12-24 hours. In case of heavily contaminated or scaled water lines, increase dosage up to 2.5 ounces of product in one (1) gallon of water (1:50) or increase contact time to 24 hours or repeat treatment. Process usage valves should be opened and closed to expose internals to the KICKSTART solution.
- C. Drain the KICKSTART solution from the system and flush thoroughly with clean water to remove dislodged deposits and until the residual peroxyacetic acid is below 3 ppm.

**Sanitizing surfaces and materials in greenhouses**

KICKSTART can be used to suppress/control bacteria / fungi and slime forming algae on greenhouse structures such as: glazing, plastic, benches, walkways, floors, walls, fan blades, ventilation ducts, watering systems, coolers, storage rooms, trays, baskets, structures and equipment.

- A. Sweep and remove all plant debris. Use power sprayer to wash all surfaces to remove loose dirt.
- B. Apply the sanitizing solution with mop, sponge or by coarse spray to thoroughly wet all surfaces.
- C. Heavy growth of algae and fungi may have to be rubbed off following application. Use a solution of KICKSTART to wash away dead growth.
- D. Reapply as often as needed for control.

**Note:** This product at its use dilution is compatible with stainless steel and aluminum surfaces. If product is intended to be used on any other surface, it is recommended that you apply product to a smaller test area to determine compatibility before proceeding with its use. Do not use on copper nor brass.

**Water transfer line systems**

KICKSTART can be used to remove and control biofilm deposits and other organic contaminants as well as scale build up in industrial tanks, pumps, piping and tubing associated with water transfer line systems. **DOSAGE RATE:** Fill water transfer line equipment as complete as possible with a solution of one(1) ounce of product diluted in one (1) gallon of water. Introduce this use solution to the transfer line system. Soak or circulate the use solution for at least 4 hours. Drain the system. Rinse the system thoroughly with potable water prior to using the water transfer lines. In case of heavy contaminated or scaled water lines; increase dosage up to 2.5 ounces of product in one (1) gallon of water and increase the contact time to 12-24 hours.

**[Not for use in water lines in the State of California]**

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## STORAGE AND DISPOSAL

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

**Storage:** Never return KICKSTART to the original container after it has been removed. Avoid all contaminants, especially dirt, caustic, reducing agents and metals. Contamination and impurities will reduce shelf life and can induce decomposition. In case of decomposition, isolate container, isolate container, dose container with cool water and dilute KICKSTART with large volumes of water. Avoid damage to containers. Keep container closed at all times when not in use. Keep container out of direct sunlight. To maintain product quality, store at temperatures below 86°F. Do not store on wooden pallets.

**Procedures for leak or spill:** Stop leak if this can be done without risk. Shut off ignition sources; no flames, smoking, flares or spark-producing tools. Keep combustible and organic materials away. Flush spilled material with large quantities of water. Undiluted material should not enter confined spaces.

**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 representatives at the nearest EPA Regional Office for guidance. If material has been spilled, an acceptable method of disposal is to dilute with at least 20 volumes of water followed by discharge into suitable treatment system in accordance with all local, state, and Federal environmental laws, rules, regulations, standards, and other requirements. Because acceptable methods may vary by location, regulatory agencies should be contacted prior to disposal. Dispose KICKSTART as hazardous waste after contacting the appropriate local, state, or Federal agency to determine proper procedures.

**Container Handling:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. *{Insert applicable triple rinse instruction for container size below}* Recycle container, if available, or dispose of in a sanitary landfill.

*{For containers equal to or less than 5 gallons}*

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ 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.

*{For containers greater than 5 gallons}*

Triple rinse as follows: Empty remaining contents into application equipment or 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. Empty rinsate into application equipment or mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

### LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is a reasonable fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and (c) that the directions, warnings and other statements on this label are based upon responsible expert's evaluation of reasonable tests of effectiveness and of toxicity to laboratory animals. Tests have not been made on all varieties or in all states or under all conditions. The manufacturer neither makes nor intends, nor does it authorize any agent or representative to make, any other warranties, expressed or implied, and it expressly excludes and disclaims all implied warranties or merchantability and fitness for particular purpose. This warranty does not extend to, and the buyer shall be solely responsible for, any and all loss or damage which results from the use of this product in any manner which is inconsistent with the label directions, warnings or cautions. Buyer's exclusive remedy and manufacturer's or seller's exclusive liability for any and all claims, losses, damages, or injuries resulting from the use or handling of this product, whether or not such liability is based in the contract, negligence, strict liability in tort or otherwise, shall be limited, at the manufacturer's option, to replacement of, or the repayment of the purchase price for, the quantity of product with respect to which damages are claimed. In no event shall manufacturer or seller be liable for special, indirect or consequential damages resulting from the use or handling of this product.

EPA Reg. No. 71355-2

NET CONTENTS 1.3 – 5 gallon(s)

BATCH No:

EPA Est. No. 71355-BEL-001

EXPIRY DATE:

*{net contents will appear on front panel; registration numbers, batch no. and expiry date may appear on any panel}*



Produced by :  
CID LINES NV/SA  
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