

82760-2

9/10/2012

1/14



U.S. ENVIRONMENTAL PROTECTION
AGENCY

Office of Pesticide Programs
Antimicrobials Division (7510C)
1200 Pennsylvania Avenue NW
Washington, D.C. 20460

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

EPA Reg.

Number:

82760-2

Date of

Issuance:

SEP 10 2012

Term of Issuance:

Conditional

Name of Pesticide Product:

BCS 3024 CF

Name and Address of Registrant (include ZIP Code):

Bulk Chemical Services, L.L.C.
1303 Boyd Avenue, N. W.
Atlanta, GA 30318

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration 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/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

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 sec 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA section 4.

2. Make the labeling changes listed below before you release the product for shipment:

a. Revise the "EPA Registration Number to read, "EPA Reg. No. 82760-2".

Signature of Approving Official:

Marshall Swindell
Product Manager Team-33
Regulatory Management Branch I
Antimicrobials Division (7510P)

Date:

SEP 10 2012

2/14

Page 2
EPA Registration No. 82760-2

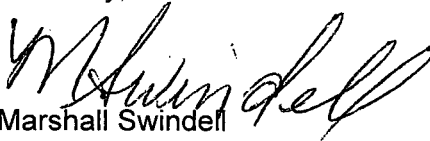
b. Submit two (2) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 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.

If you have any questions concerning this Notice of Registration, please contact Martha Terry at (703) 308-6217.

Sincerely,



Marshall Swindell
Product Manager 33
Regulatory Management Branch I
Antimicrobials Division (7510P)

Enclosure: (Stamped Label)

LEFT PANEL

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

DANGER: Corrosive, causes irreversible eye damage. Harmful if absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Remove contaminated clothing and wash before reuse.

Mixers, loaders, and others exposed to product must wear the following Personal Protective Equipment (PPE):

- Long-sleeve shirt and long pants;
- Rubber gloves and apron;
- Shoes plus socks; and
- Protective eyewear.

Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations: Users must wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users must remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. 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 regional office of the U.S. Environmental Protection Agency (EPA). Do not contaminate water by cleaning of equipment or disposal of waste. Apply this pesticide only as specified on the label.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

SEP 10 2012

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 82760-2

4/14

MIDDLE PANEL

BCS 3024 CF

MICROBIOCIDES

INDUSTRIAL MICROBIOCIDES FOR USE IN RECIRCULATING WATER COOLING TOWERS, AIR WASHER SYSTEMS, PAPERMILL SLIME CONTROL, AND RECIRCULATING CLOSED LOOP WATER COOLING SYSTEMS

Active Ingredients;	
5-Chloro-2-Isothiazolin-3-One	1.11%
2-Methyl-4-isothiazolin-3-one	0.39%
Other Ingredients:	98.50%
TOTAL 100.00%	

KEEP OUT OF REACH OF CHILDREN
DANGER

FIRST AID

IF IN EYES	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 eye.
IF ON SKIN OR CLOTHING	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.
IF INHALED	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
IF SWALLOWED	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.

Note to Physician: probable mucosal damage may contraindicate the use of gastric lavage. Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center, doctor, or going for treatment.

MEDICAL EMERGENCY TELEPHONE: 1-800-535-5053

See Side Panel for Additional Precautionary Statements

EPA Reg. No. 82760-E

NET WEIGHT: XX LBS.

EPA Est. No. 82760-GA-1
ACCEPTED
with **COMMENTS**
in EPA Letter Dated:

SEP 10 2012

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, this pesticide is registered under No. 82760-2

RIGHT PANEL

PHYSICAL AND CHEMICAL HAZARDS

This product is corrosive to mild steel.

STORAGE AND DISPOSAL

This product (pH 3.0) is corrosive to mild steel.

PESTICIDE STORAGE: Do not store or transport in unlined metal containers. Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment.

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 the 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:

Non-refillable container: Triple rinse container promptly after emptying. Triple rinse as follows: [For containers < five gallons in size] empty the remaining contents into application equipment or mix tank and drain for ten seconds after flow begins to drip. Fill the container one-quarter full with water and recap. Shake for ten seconds. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for ten seconds after flow begins to drip. Repeat this procedure two more times. [For containers > five gallons in size] Empty the remaining contents into application equipment or mix tank. Fill the container one-quarter 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, or by other procedures approved by state and local authorities.

Refillable container: Refill this container with pesticide only. Do not reuse the container for any other purpose. Cleaning of the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refill is the responsibility of the refiller. To clean container before final disposal, triple rinse container promptly after emptying. [For containers < five gallons in size] Empty the remaining contents into application equipment or mix tank and drain for ten seconds after flow begins to drip. Fill the container one-quarter full with water and recap. Shake for ten seconds. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for ten seconds after flow begins to drip.

ACCEPTED
WITH COMMENTS
EPA Label Dept
SEP 10 2012

Repeat this procedure two more times. [For containers > five gallons in size] Empty the remaining contents into application equipment or mix tank. Fill the container one-quarter 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, or by other procedures approved by state and local authorities.

DIRECTION FOR USE

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

READ AND FOLLOW THE DIRECTIONS FOR USE ON THE ACCOMPANYING TECHNICAL INFORMATION SHEET.

Do not apply this product in a way that will contact workers or other persons.

For the control of microbial biofilms, bacteria, algae, and fungi, add BCS 3024CF microbiocide to: Industrial process water systems, industrial recirculating water cooling towers, industrial recirculating closed loop water cooling systems, brewery pasteurizers, can warmers, retort water systems, industrial scrubbing systems, evaporative condenser water systems, hydrostatic sterilizer water systems, air conditioner/refrigeration condensate water systems, coal slurry systems, immersion ultrasonic tank water, laboratory equipment water baths and influent water filtration systems. Add BCS 3024CF microbiocide at some point in the system to insure uniform mixing.

INITIAL DOSE: When the system is noticeably fouled, apply 148-883 ppm BCS 3024CF microbiocide (1.26 - 7.46 pound or 19- 113 fluid ounce of BCS 3024CF per 1000 gallon of water in the system.) Repeat until control is achieved. Badly fouled systems should be cleaned before treatment is begun.

SUBSEQUENT DOSE: When microbial control is evident, add 35 - 219 ppm BCS 3024CF microbiocide (0.3 - 1.86 pound or 4.5-28 fluid ounce of BCS 3024CF per 1000 gallon of water in the system) weekly or as needed to maintain control.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

SEP 10 2012

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 82760-2

RIGHT PANEL

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS

For the control of bacteria, algae, and fungi, add BCS 3024CF to the tower basin, distribution box or some other point to ensure uniform mixing.

INITIAL DOSE: When the system is noticeably fouled, apply 148 to 883 ppm BCS 3024CF (1.26 to 7.46 pounds or 19 to 113 fluid ounces of BCS 3024CF per 1,000 gallons of water in the system). Initial dosage must be repeated until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 35 to 219 ppm BCS 3024CF (0.3 to 1.86 pounds or 4.5 to 113 fluid ounce of BCS 3024CF per 1,000 gallons of water in the system) weekly or as needed to maintain control. Clean badly fouled systems before treatment begins.

AIR WASHER SYSTEMS/PAINT SPRAY BOOTHS

Use only in industrial air washing systems that maintain effective mist eliminating components. Depending upon the severity of contamination to control bacteria, fungi, and algae, which cause fouling in industrial air washer systems, add to the air washer sump or chill water sump, or paint spray booth to ensure uniform mixing, 35 to 883 ppm BCS 3024CF (0.3 to 7.46 pounds or 4.5 to 113 fluid ounces of BCS 3024CF per 1,000 gallons of water in the system). A second treatment may be needed depending on the severity of the contamination.

INTERMITTENT OR SLUG METHOD

INITIAL DOSE: For a noticeably fouled system, apply 148 to 883 ppm BCS 3024CF (1.26 to 7.46 pounds or 19 to 113 fluid ounces of BCS 3024CF per 1,000 gallons of water in the system). Initial dosage must be repeated until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 35 to 219 ppm BCS 3024CF (0.3 to 1.86 pounds or 4.5 to 113 fluid ounces) of BCS 3024CF per 1000 gallons of water in the system) weekly or as needed to maintain control. Clean badly fouled systems before treatment begins.

CONTINUOUS FEED METHOD

INITIAL DOSE: For a noticeably fouled system, apply 148 to 883 ppm BCS 3024CF (1.26 to 7.46 pounds or 19 to 113 fluid ounces of BCS 3024CF per 1,000 gallons of water in the system). Initial dosage must be repeated until control is achieved.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

SEP 10 2012

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 82760-2

8/14

SUBSEQUENT DOSE: When microbial control is evident, add 35 to 219 ppm BCS 3024CF (0.3 to 1.86 pounds or 4.5 to 113 fluid ounces of BCS 3024CF per 1000 gallons of water in the system) weekly or as needed to maintain control.

NOTE TO USER: Continuous feed method is for use only in industrial air washing systems that maintain effective mist eliminating components.

PAPER MILLS

BCS 3024CF is recommended for the control of bacteria and fungal slime in the production of paper.

Point of Addition: BCS 3024CF must be added to a point in the system to ensure uniform mixing such as the beater, hydropulper, or fan or broke storage pumps. Clean badly fouled systems before treatment begins.

Add 0.44 to 1.5 pounds (7 to 23 fluid ounces) of BCS 3024CF per ton (dry basis) of pulp or paper produced as a slug dose. If needed, repeat dosage.

INDUSTRIAL RECIRCULATING CLOSED LOOP WATER COOLING SYSTEMS

For the control of bacteria, algae and fungi, add BCS 3024CF to the reservoir, recirculating line, or some other point in the system to ensure uniform mixing.

INITIAL DOSE: When system fouling is noticed, apply 148 to 883 ppm BCS 3024CF (1.26 to 7.46 pounds or 19 to 113 fluid ounces of BCS 3024CF per 1,000 gallons of water in the system). Initial dosage must be repeated until control is achieved.

SUBSEQUENT DOSE: When microbial control in system is obtained, add 35 to 219 ppm BCS 3024CF (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces of BCS 3024CF per 1,000 gallons of water in the system) weekly or as needed to maintain control.

Clean badly fouled systems before treatment begins.

OIL FIELD INJECTION WATERS

This product is approved for terrestrial and off-shore oil drilling muds and packing fluids.

INITIAL DOSE: Add 57 to 115 pounds BCS 3024CF per 1,000 barrels of water (162 to 324 ppm BCS 3024CF) to achieve control of slime-forming and sulfate reducing bacteria in oil and gas field water systems including enhanced recovery injection fluids and drilling fluids. This dosage must be used until control is achieved.

ACCEPTED
with COMMENTS
in EPA Letter Dated:
SEP 10 2012

9/14

SUBSEQUENT DOSE: Add 23 to 58 pounds (2.8 to 6.9 gallons) BCS 3024CF per 1,000 barrels of water (66 to 165 ppm BCS 3024CF) weekly or as needed to maintain control of slime-forming and sulfate reducing bacteria.

BREWERY PASTEURIZERS AND CAN WARMER SYSTEMS

Initial Dose: In noticeably fouled systems, add 1.25 to 7.5 pound of BCS 3024CF per 1,000 gallons of water depending on the severity of foul for control of bacteria, algae, and fungi.

Subsequent Dose: Add 0.3 to 1.86 pounds of BCS 3024CF or 4.5 to 113 fluid ounces per 1,000 gallons of water in the system weekly or as needed to maintain control.

ULTRA FILTRATION UNITS, SUCH AS REVERSE OSMOSIS SYSTEMS

BCS 3024CF can be used to control bacteria and fungi in ultra filtration units, such as reverse osmosis systems. Add 10 to 333 ppm of BCS 3024CF to industrial ultra filtration or reverse osmosis systems by either continuous feed or periodic injection. Confirm with membrane manufacturers the compatibility of the membrane with BCS 3024CF. Control of bacteria and fungi in carbon beds can be achieved by adding 10 to 333 ppm of BCS 3024CF. For periodic membrane cleaning, add 0.4 to 1.0 pound of BCS 3024CF to every 120 gallons of cleaning solution.

Clean badly fouled systems before treatment begins.

INDUSTRIAL WASTEWATER TREATMENT SYSTEMS AND SEWAGE SYSTEMS

BCS 3024CF can be used to control microbial biofilms, bacteria, fungi, and algae in industrial waste water treatment and sewage systems. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. Clean badly fouled systems before treatment is begun.

INITIATION DOSE: For noticeably fouled system, add 1.26 to 7.46 pounds or 19 to 113 fluid ounces (148 to 883 ppm) BCS 3024CF per 1,000 gallons of water in the system. This dosage application must be repeated until control is achieved.

SUBSEQUENT DOSE: After control is achieved, add 0.3 to 1.86 pounds or 4.5 to 28 fluid ounces (35 to 219 ppm) BCS 3024CF per 1,000 gallons of water in the system weekly or as needed to maintain control.

WATER-BASED HYDRAULIC FLUID PRESERVATION

BCS 3024CF can be used as a preservative in the manufacture and use of high water-based hydraulic fluids and invert emulsion hydraulic fluids generally formulated with 40% by volume water in 60% by volume of mineral oil using an oil soluble emulsifier.

ACCEPTED
with COMMENTS
in EPA Letter Based:
SEP 10 2012

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 82760-2

10/14

INITIAL DOSAGE: For a noticeably fouled system add 10 to 17 pounds or 150 to 250 fluid ounces BCS 3024CF per 1,000 gallons fluid followed by subsequent maintenance dose. For unfouled systems use the subsequent maintenance dose.

SUBSEQUENT MAINTENANCE DOSE: Add 8 to 10 pounds or 120 to 150 fluid ounces BCS 3024CF per 1,000 gallons fluids every eight weeks. A higher dosage range and/or increased frequency of treatment is required if control is not maintained because of rate of dilution of the preservative with make-up fluid, the nature and severity of contamination, level of control required filtration effectiveness, system design, etc.

METAL CLEANING FLUID PRESERVATION

BCS 3024CF can be used as a preservative in the manufacture and use of alkaline, acid, and emulsion-based metal cleaning fluids typically used in electroplating, phosphatizing, galvanizing, and general metal cleaning operations.

For Metal Cleaning Concentrate: Add BCS 3024CF at a level necessary to ensure final use dilution will contain 560 to 2,250 ppm product.

Direct Addition to a Fouled System: Add 5 to 20 pounds or 72 to 290 fluid ounces (560 to 2,250 ppm) BCS 3024CF per 1,000 gallons of use-dilutions metal cleaning fluid every three-to-four weeks. A higher dosage range and/or increased frequency of treatment is required if control is not maintained because of rate of dilution of the preservative with make-up fluid, the nature and severity of contamination, level of control required filtration effectiveness, system design, etc. One must be dispensed into the use-dilution metal cleaning fluid using a metering pump and uniformly dispersed throughout the systems.

PRESERVATIVE FOR ADHESIVES AND TACKIERS

BCS 3024CF can be used as an in-container preservative for the control of bacteria and fungi in water soluble and water dispersed adhesives such as vegetable and animal glues, natural rubber lattices polyvinyl acetate, styrene-butadiene, and acrylic lattices. BCS 3024CF can also be used as a preservative for rosin and hydrocarbon resin tackifiers. Add 0.5 to 1.65 pounds or 9 to 30 fluid ounces BCS 3024CF per each 1,000 pounds of fluid. Higher dosage rate up to 3.2 pounds or 49 fluid ounces BCS 3024CF is required for storage during extremely high temperatures and humidity.

DISPERSED PIGMENT PRESERVATION

BCS 3024CF can be used as a microbiocide for the control of bacteria and fungi in the manufacture and storage of dispersed pigments such as montmorillonite, kaolin clays, titanium dioxide, calcium carbonate and sulfate, barium sulfate, magnesium silicate, and

ACCEPTED
with COMMENTS
in EPA Letter Dated
SEP 10 2012

11/14

kieselguhr used in paint and paper production. Add 0.6 to 2.25 pounds or 9 to 35 fluid ounces BCS 3024CF to each 1,000 pounds of fluid.

PRESERVATIVE FOR BUILDING MATERIALS

BCS 3024CF can be used for the control of bacteria and fungi in building materials such as caulks, grouting, spackling, joint cements, and mastics. Add 0.5 to 1.65 pounds or 8 to 25 fluid ounces BCS 3024CF per 1,000 pounds of fluid.

PRESERVATIVE FOR LATICES

BCS 3024CF can be used for the control of bacteria and fungi in the manufacture and storage of synthetic and natural polymer lattices including ethylene/vinyl acetate, carboxylated styrene/butadiene, acrylics, and styrene/butadiene and biopolymers intended for industrial use such as casein derived polymers, starches, protein derived polymers, guar gum, gum Arabic, and xanthan gum. BCS 3024CF must be added slowly with agitation to latex or solutions to ensure adequate mixing. Add BCS 3024CF at rates of 0.5 to 3.3 pounds or 8 to 51 fluid ounces per 1,000 pounds of emulsion. The actual concentrations required will depend upon such factors as the frequency of microbial contamination expected, the specific properties of substance treated, and the level of preservation desired.

PRESERVATIVE FOR AQUEOUS COMPOSITIONS

BCS 3024CF can be used as an in-container preservative for the control of bacteria and fungi in aqueous products such as aqueous emulsions and dispersions, including pesticide formulations, nutrient solutions, foam control products, oil/water emulsions, and surface preparation compounds. BCS 3024CF can be use as a preservative in wet wipes not intended for personal care (baby or hand wipes) nor for food processing or food contact surfaces. Add 0.5 to 3.3 pounds or 8 to 51 fluid ounces per 1,000 pounds of aqueous product.

HOUSEHOLD, CONSUMER, INDUSTRIAL, AND JANITORIAL PRODUCTS

BCS 3024CF can be used for the control of bacteria and fungi in either liquid or solid formulations of soaps, cleaners, detergents, laundry products, dishwashing detergents, waxes, polishes, fabric treatment/refreshers products, air fresheners/deodorizers, car care products, and other similar products. BCS 3024CF can be used for control of bacteria and fungi in package utility products such as pre-moistened sponges and mops. BCS 3024CF can be used for the control of bacteria and fungi in solutions put on or into wet wipes for household, residential, commercial, and industrial uses. The wet wipes cannot be use for personal care (baby or hand wipes) nor for food processing or food contact surfaces.

BCS 3024CF must be added to the concentrates of the above listed products at such a level that when dilute BCS 3024CF will be present at 0.04% to 0.15%.

ACCEPTED
with COMMENTS
in EPA Letter Dated:
SEP 11 2012

82760-2

12/14

PRESERVATIVES FOR PAINTS AND COATINGS

In Container Preservative: BCS 3024CF can be use as an in-container preservative to control bacteria and fungi in water-based coatings such as paper, wood coatings, and paints and in paints used in product finishes and architectural paints and in special purpose coatings. Add 0.5 to 1.65 pound or 8 to 26 ounces BCS 3024CF to each 1,000 pound of fluid. A higher dosage of 3.3 pounds or 53 ounces may be needed for in container preservation is the finished product in stored at extremely high temperature and humidity. BCS 3024CF should be added to those products formulated as concentrates, which are in turn diluted for use at a level to ensure that the final use dilutions product will contain between 6-50 ppm active isothiazolones, except for paints and coatings, which should be at 7-25 ppm as described below.

Wood Coatings: BCS 3024CF can be used in coatings for the protection from mold and mildew of wood and wood products such as fences, posts, landscape timbers, decks, cross ties, and similar exterior structures. For pressure treatment of southern yellow pine, hemlock, ponderosa pine, and other soft woods against mold and mildew, add 1.9 to 6.6 pounds or 29 to 101 fluid ounces of BCS 3024CF to 1000 gallons of preservative. Thoroughly wet and allow to dry. A single application will provide 12 weeks of protection. Under extreme mold or mildew growth conditions, add 13.3 to 27 pounds or 1.6 to 3.2 gallons of BCS 3024CF per 1,000 gallons of preservative for 12 weeks of protection. Thoroughly wet and allow to dry.

Special Purposes Coatings Uses: BCS 3024CF can be used as a preservative for control of bacteria, fungi and algae in electro-deposition paints or solutions, photo plating solution or coatings, fount (or fountain) solutions used in the printing process as a maintenance fluid/coating or as a special coating for printing plates, or spin finish coatings for fibers.

Electro-deposition Paints or Solutions: For tankside addition BCS 3024CF should be dispersed into the recirculating rinse system, ultrafilter permeate, or final distilled rinse system at a point to ensure uniform mixing. For systems that are noticeable fouled, add 6.5 to 22.5 gallons of BCS 3024CF per 10,000 gallons of fluid in the system. Repeat this dose rate until control is achieved. When microbial control is achieved, add 3.2-10 gallons of BCS 3024CF per 10,000 gallons of fluid in the system as needed or weekly to maintain the system. A change of frequency of treatment may be required depending on the rate of dilution of the preservative with the makeup fluid, the level of control required, the filtration effectiveness, the nature and severity of contamination, system design, etc.

Treatment of Electro-deposition Paint Components: BCS 3024CF must initially be added to paint components, such as pigment, resin, or other components of the electro-deposition paint at a level to ensure the final use dilution fluid will contain 320 to 2,245 ppm of BCS 3024CF. If additional microbial control is needed, the system must be treated as directed in the directions for electro-deposition paints or solutions above.

**ACCEPTED
with COMMENTS
in EPA Letter Dated:**

SEP 10 2012

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 82760-2

Note to User: Regardless of the manner of incorporation, the total active ingredient level in the system should never exceed 33 ppm (22.5 gallons of BCS 3024CF per 10,000 gallons of system fluid).

Photoplate Processing, Fountain Solutions, and Ink/Ink Components: BCS 3024CF can be used to control bacteria and fungi in photoplate processing fountain and stabilizing solutions, water based printing inks such as flexographic, screen and ink jet, and gravure type, and ink components (thickeners, surfactants, waxes, gelling agents, water soluble dyes, pigments, plasticizers, and resins). Add BCS 3024CF to ink, ink components, photoplate processing chemicals, and fountain solutions at 0.1% to 1.0% on a weight-to-weight basis. For acidic fountain solutions the optimum level range is 0.2% to 0.5% on a weight-to-weight basis. For neutral fountain solutions the optimum level range is 0.5% to 0.8% on a weight-to-weight basis. The level of BCS 3024CF must be adjusted to accommodate slight changes in formulations.

METALWORKING FLUIDS

BCS 3024CF microbiocide is recommended for the control of bacteria, fungi, and microbial biofilms in soluble and emulsifiable-type aqueous metalworking fluids.

For the maintenance of a non-fouled system, use BCS 3024CF microbiocide at 32 fluid ounce per 1000 gallon of emulsion (2 pound) every 4 weeks or 32-148 fluid ounces per 1000 gallon emulsion (2-10 pound) every 8-12 weeks. This corresponds to 250-1,167 ppm BCS 3024CF microbiocide (3.84 - 17.5 ppm active ingredient).

For a noticeably fouled system, use an initial dose of 64-148 fluid ounce per 1000 gallon emulsion (4-10 pound) to be followed by subsequent maintenance dosages depending upon the treatment interval noted above. This corresponds to 500-1,167 ppm BCS 3024CF microbiocide (7.5-17.5 ppm active ingredient).

The preservative should be dispensed into the use-dilution of the metalworking fluid using a metering pump and uniformly dispersed throughout the system.

CONVEYOR LUBRICANTS

BCS 3024CF can be used to control microorganisms in water-based conveyor lubricants. BCS 3024CF can either be added to the lubricant concentrate or can be added to the lubricant dilution feed line using a chemical metering pump. In lubricant concentrates, BCS 3024CF should be added at a level that will insure a final use dilution of 200-1000 ppm of BCS 3024CF (3-15 ppm active). When fed to the lubricant dilution feed line, an initial metered dose of 50-126 fluid ounces of BCS 3024CF per 1,000 gallons of diluted conveyor lubricant is recommended until control is achieved. A subsequent metered dose of 26-126 fluid ounces per 1,000 gallons should be made to maintain 3-15 ppm active BCS 3024CF in the diluted conveyor lubricant.

ACCEPTED
with COMMENTS
in EPA Letter Dated:
SEP 10 2012

14 / 14

FUEL PRESERVATION

BCS 3024CF is recommended for the control of bacteria and fungi in the following liquid hydrocarbon fuels and oils: crude oils, aviation fuels, kerosene, heating oils, diesel fuels, residual fuel oils, coal slurries, liquified petroleum gases, and petrochemical feedstocks. Method of Addition: BCS 3024CF should be directly dispersed into a fuel tank storage tank or a flowing stream of fuel in a manner to insure uniform distribution of the preservative in the fuel system. Slug dose or continuous feed methods are recommended. Curative Dose: When the system is noticeably fouled, add 1–2 gallons BCS 3024CF per 10,000 gallons of fluid in the system. This will provide 100 to 200 ppm of BCS 3024CF and 1.5–3.0 ppm active ingredient. Repeat until control is achieved. A shock dose of up to 4 gallons of BCS 3024CF per 10,000 gallons of fluid is recommended in the case of extreme contamination. Grossly contaminated systems should be physically cleaned to remove debris. Maintenance Dose: When the system is noticeably fouled, add 0.5 to 1.5 gallons of BCS 3024CF per 10,000 gallons of fluid to maintain the system. This will provide 50 to 150 ppm of BCS 3024CF and 0.75–2.25 ppm active ingredient. Repeat every 4–6 weeks or when microbial contamination is detected.

FOR USE IN AVATION FUEL THE FEDERAL AVIATION ADMINISTRATION MUST BE CONSULTED AS TO THE ACCEPTABILITY OF THE ADDITIVE FOR USE IN SPECIFIC ENGINES AND/OR AIRCRAFT.

IN-CONTAINER PRESERVATION

BCS 3024CF microbiocide is recommended as an in-container preservative for the control of bacteria and fungi in industrial and household consumer products, including all-purpose liquid cleaners, furniture and floor polishes, and anti-tarnish products, air fresheners, carpet shampoos and pre-spotters. Add 0.4-1.5 pound BCS 3024CF (181-680 gram) to each 1000 pound (453.6 kilogram) of product to be treated to provide 6-22.5 ppm active isothiazolones.

BCS 3024CF microbiocide is recommended for the control of bacteria and fungi in liquid dishwashing detergents, automotive appearance products, such as cleaners, waxes and polishes, and liquid laundry products, such as fabric softeners, laundry detergents, pre-spotters and spray starch. Add 0.4-1.0 pound BCS 3024CF (181-454 gram) to each 1000 pound (453.6 kilogram) of product to be treated to provide 6-15 ppm active isothiazolones. To insure uniform distribution, slowly disperse BCS 3024CF into product with agitation. Mix thoroughly until evenly dispersed throughout product.

BCS 3024CF microbiocide is recommended for the control of bacteria and fungi in aqueous raw materials such as silicone emulsions and surfactants used in industrial and household consumer products. BCS 3024CF microbiocide is also recommended for the control of bacteria and fungi in package utility products, such as pre-moistened sponges and mops. Add 0.4 to 1.5 pound BCS 3024CF (181-680 gram) to each 1000 pound (453.6 kilogram) of silicone emulsion, surfactant, or water used.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

SEP 10 2012