

86130-4

02-07-2012

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U.S. ENVIRONMENTAL PROTECTION
AGENCYOffice of Pesticide Programs
Antimicrobials Division (7510C)
1200 Pennsylvania Avenue NW
Washington, D.C. 20460

EPA Reg.

Number:

86130-4

Date of

Issuance

FEB 7 2012

Term of Issuance:

Conditional

Name of Pesticide

Product:

FLOWCHEM FCAF-104

NOTICE OF PESTICIDE:

☒ Registration☐ Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

FlowChem Technologies
289 Cutlass LP
Rayne, LA 70578

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 the 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 Section 3(c)(7)(A) provided that you:

1. Submit and/or cite all the data required for registration of your product under FIFRA Section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit required by registration review under FIFRA Section 3(g).
2. To satisfy OPPTS 830.6317 (storage Stability) and OPPTS 830.6230 (corrosion Characteristics) requirements, results for a minimum of 1 year from a GLP-compliant storage stability and corrosion characteristics study must be provided.

Signature of Approving Official:

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

Date:

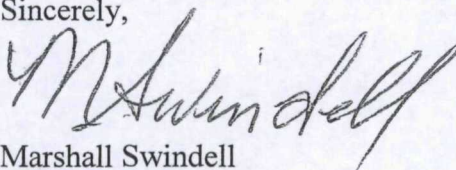
FEB 7 2012

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.

Submit two (2) copies of the revised labeling bearing the labeling revisions listed above. A stamped copy of the label is enclosed for your records.

If you have questions concerning this matter, please contact Marshall Swindell at (703) 308-6341 or by email at swindell.marshall@epa.gov

Sincerely,

A handwritten signature in dark ink, appearing to read "M. Swindell", written in a cursive style.

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

Enclosures: (Stamped Label)

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FLOWCHEM FCAF-014

A highly effective Micobiocide for use in controlling Bacteria including Slime Forming Bacteria and Sulfate-Reducing Bacteria, Fungi (Yeast and Molds) and Algae in Air Washers and Industrial Scrubbing Systems, Recirculating Cooling and Process Water Systems, Service Water and Auxiliary Systems, Heat Transfer Systems, and Industrial Wastewater Systems.

ACTIVE INGREDIENT: Tetrakis(hydroxymethyl) phosphonium sulfate.....	50%
INERT INGREDIENTS:.....	50%
	<hr/>
	100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID

- | | |
|-------------------------|---|
| If in eyes | <ul style="list-style-type: none">• 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• Call a poison control center or doctor for 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 induce vomiting unless told to do so by a poison control center or doctor• Do not give anything by mouth to an unconscious person |
| If inhaled | <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 for further treatment advice |
| 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 |

ACCEPTED
with COMMENTS
EPA Letter Dated:

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NOTE TO PHYSICIAN:

Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.

Have the MSDS and, if available, the product container or label with you when calling a poison control center or a doctor, or going for treatment.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

EPA Reg. No. FCAF-014XXXXXXXXX

EPA Establishment numbers may include the following. (Letters in () that match the prefix in batch number identify the establishment number.)

EPA Facility Registration No. **86130-LA-001**

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. '86130-4

NET CONTENTS SHOWN ELSEWHERE ON CONTAINER

IN CASE OF AN EMERGENCY endangering life or property involving this product, call (800) 424-9300.

LIMITED WARRANTY AND DISCLAIMER

Seller warrants that the product conforms to its chemical description as contained on this label and is reasonably fit for the purposes stated on this label when used in accordance with directions under normal conditions of use. THE WARRANTIES MADE IN THIS PARAGRAPH ARE SELLER'S SOLE WARRANTIES WITH RESPECT TO THE PRODUCT AND ARE MADE EXPRESSLY IN LIEU OF AND EXCLUDE ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES.

BEFORE HANDLING OR USING THIS PRODUCT SEE YOUR EMPLOYER AND READ THE CURRENT FLOWCHEM COMPANY

MATERIAL SAFETY DATA SHEET.

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DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Not for use in paint.

OILFIELD & PETROCHEMICAL OPERATIONS

Flowchem FCAF-014 is effective in controlling sulfate reducing bacteria, general aerobic bacteria, including microorganisms that contribute to biofilm formation in oil field recovery, processing and distribution applications and supporting systems; such as injection water, water holding tanks, disposal well water, recirculating water handling systems, and pipelines. Flowchem FCAF-014 has been shown to dissolve iron sulfide and sequester iron under these conditions, leading to improved filter life and well injectivity and reduction of hydrocarbon sheen. Flowchem FCAF-014 is also effective for use in controlling microbial growth in fluids used for drilling and stimulation of oil wells.

WATER FLOODS *(Not for use in California)*

Flowchem FCAF-014 should be added to water flood system at a point where uniform rising will occur.

- **Initial Treatment:** For a noticeably fouled system, add 140-525 ppm of FCAF-014 (70-252.5 ppm THPS). When added to a flowing system, slug dose for 2-6 hours based on flow rates. Repeat as necessary until control is achieved.
- **Subsequent Treatment:** Once control has been achieved, add 10-147 ppm FCAF-014 (5-73.5 ppm THPS) weekly or as needed to maintain control. When added to a flowing system, slug dose for 2-6 hours based on flow rates.
- **Continuous Treatment:** FCAF-014 can be dosed continuously at a level of 10-100 ppm (5-50 ppm THPS).

HYDRAULIC FRACTURING *(Not for use in California)*

FCAF-014 should be added to the frac water storage tanks or directly into the well head injection pipeline as the water is being pumped down-hole. Add 100-525 ppm of FCAF-014 (50-262.5 ppm THPS), depending on the degree of bacterial fouling in the source water.

OIL AND GAS PIPELINES

Flowchem FCAF-014 should be added at a point in the pipeline where uniform mixing will occur. The application should be conducted to ensure maximum distribution of FCAF-014 through the entire internal surface of the pipeline by adding an amount of biocide which eventually comes out the other end of the pipeline. Criteria for success of the treatment will be reduction in bacterial count and/or corrosion rates.

- **Slug Dosing:** Follow instructions for water flood treatment.
- **Continuous Dosing:** FCAF-014 can be dosed continuously at a level of 21-150 ppm (10.5-75 ppm THPS)

DRILLING MUDS, PACKER FLUIDS, COMPLETION & WORKOVER FLUIDS

Flowchem FCAF-014 should be added to these fluids at a point where uniform mixing will occur. Add 49-2100 ppm of FCAF-014 (24.5-1050 ppm THPS) to a freshly prepared fluid depending on severity of contamination.

PIPELINE PIGGING & SCRAPING OPERATION

Add FCAF-014 to a slug of water immediately following the scraper (ideally this water volume can be kept to a minimum and contained between the scraper and a trailing pig.) Sufficient FCAF-014 should be added to produce a concentration of 0.01% to 0.1% (50-500 THPS) in the water at the discharge point or pig trap, depending on the length of the pipeline and the severity of biofouling.

HYDROTESTING

Water used to hydrotest pipelines or vessels should contain 100-1000 ppm FCAF-014 (50-500 ppm THPS) depending on water quality and length of time the equipment will remain idle.

Sold By:

Flowchem Technologies Made in USA
289 Cutlass Lp
Rayne, LA 70578

with COMMENTS
EPA Letter Dated:

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Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended for the pesticide,
registered under EPA Reg. No. 86130-4

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PRECAUTIONARY STATEMENTS
HAZARD TO HUMANS & DOMESTIC ANIMALS

DANGER: Corrosive. Causes irreversible eye damage. May be fatal if swallowed. Harmful inhalant. Harmful if absorbed, through skin. Do not get in eyes, on skin or on clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid breathing vapor or spray. Wear long sleeved shirt and pants or coverall, goggles, or face shield and chemical resistant gloves when handling. 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.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. 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.

STORAGE AND DISPOSAL

For rigid non refillable containers 5 gallons or less:

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

STORAGE: Store this product in a cool, dry area away from direct sunlight and heat to avoid deterioration. In case of a spill, flood the area with large quantities of water.

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

CONTAINER HANDLING AND DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Offer for recycling or reconditioning if appropriate. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. 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 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

For rigid nonrefillable containers greater than 5 gallons:

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

STORAGE: Store this product in a cool, dry area away from direct sunlight and heat to avoid deterioration. In case of a spill, flood the area with large quantities of water.

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

CONTAINER HANDLING AND DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Offer for recycling or reconditioning if appropriate. Triple rinse or pressure 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 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least 1/2 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. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse for about 30 seconds. Drain for 10 seconds after the flow begins to drip.

For refillable containers:

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

STORAGE: Store this product in a cool, dry area away from direct sunlight and heat to avoid deterioration. In case of a spill, flood the area with large quantities of water.

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

CONTAINER HANDLING AND DISPOSAL: Refillable container. Refill this container with THPS only. Do not reuse this container for any other purpose. Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. Pressure rinse the container for final disposal as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. [For Bulk Shipment Transport Vehicles: Note: In accordance with 40CFR 156 (e) bulk shipment transport vehicles are exempt from the requirements for container handling and disposal, therefore, only pesticide storage and disposal is required on bulk transport vehicle labeling]

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

STORAGE: Store this product in a cool, dry area away from direct sunlight and heat to avoid deterioration. In case of a spill, flood the area with large quantities of water.

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

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EPA Letter Dated:

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amended, for the pesticide,
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