



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

EPA Reg. Number:

86130-9

Date of Issuance:

7/27/17

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Flowchem FCB-13

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 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.

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:

Zeno Bain, Acting Product Manager 33  
Regulatory Management Branch I  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

Date:

7/27/17

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

a. Glutaraldehyde GDCI-043901-30859

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

3. Be aware that proposed data requirements have been identified in the DCI. For more information on these proposed data requirements, you may contact the Reevaluation Team Leader (Team 36): <http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-division>

4. 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.

5. Make the following label changes before you release the product for shipment:

- Revise the EPA Registration Number to read, “EPA Reg. No. 86130-9.”

6. 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 the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. 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) list 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. 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 Compliance.

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 02/03/2017

If you have any questions, please contact Terria Northern by phone at 703-347-0265, or via email at [northern.terria@epa.gov](mailto:northern.terria@epa.gov).

Enclosure: Approved Label

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

**DANGER CORROSIVE:** Causes irreversible eye damage. Causes skin irritation. Harmful if inhaled or swallowed. Harmful if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Causes asthmatic signs and symptoms in hyper-reactive individuals. Do not get in eyes, on skin or on clothing. Avoid breathing vapor. Do not swallow. Wear goggles, protective clothing, and butyl or nitrile gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**ENVIRONMENTAL HAZARDS**

This pesticide 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.

**DIRECTIONS FOR USE**

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

**WATERFLOODS**

This product must be added to a water flood system at a point of uniform mixing. Initial Treatment: When the system is noticeably contaminated, add 100 to 5,000 ppm this product to the system (0.09 to 4.4 gallons this product per 1,000 gallons flood water). Repeat until control is achieved. Subsequent Dose: When microbial control is evident, add 20 to 5,000 ppm this product (0.02 to 4.4 gallons this product per 1,000 gallons flood water) to the system weekly, or as needed to maintain control.

**FRAC FLUIDS** [this use is not registered for use in the State of California]

This product reduces bacterial contamination and degradation of fracturing fluids and gels used in oil and gas well stimulations. Add this product to the frac water storage tanks or directly into the well head injection pipeline as the water is being pumped down-hole. Dose Range: this product must be added at a rate of 100 to 5000 ppm (0.9 – 44.3 gals per 10,000 gallons) depending on the degree of bacterial fouling in the source water.

**DRILLING, COMPLETION, AND WORKOVER FLUIDS**

This product must be added to a drilling fluid system at a point of uniform mixing such as the circulating mud tank. Initial treatment: Add 50 to 1,000 ppm this product (0.2 to 3.7 gallons of this product per 100 barrels of fluid) to a freshly prepared fluid depending on the severity of contamination. Maintenance dosage: Maintain a concentration of 50 to 1,000 ppm this product by adding 0.2 to 3.7 gallons of this product per 100 barrels of additional fluid, or as needed, depending on the severity of contamination.

**PACKER FLUIDS**

This product must be added to a packer fluid at a point of uniform mixing such as a circulating holding tank. Add 50 to 600 ppm this product (0.2 to 2.2 gallons of this product per 100 barrels of fluid) to a freshly prepared fluid depending on the severity of contamination. Seal the treated packer fluid in the wall between the casing and production tube.

**GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS**

This product must be added to a gas production or transmission pipeline via direct injection. The application must be conducted to ensure maximum distribution of this product throughout the entire internal pipeline surface by adding sufficient amount of biocide to detect/measure a residual concentration at the back end of the pipeline system. Criteria for success of the treatment will be a reduction in bacterial counts and/or reduced corrosion rates. To facilitate application, it may be desirable to dilute this product with an appropriate solvent immediately before use. The concentration in the solvent must not fall below an active concentration range of 500 to 5,000 ppm based on the volume of water in the pipeline. Injections to the system must be weekly, or as needed to maintain control

**GAS STORAGE WELLS AND SYSTEMS**

Individual injection wells must be treated with a sufficient quantity of this product to produce a concentration of 500 to 5000 ppm this product when diluted by the water present in the formation. Injection must take place before gas is injected (during the summer). Injections must be repeated yearly, or as needed to maintain control. Individual drips must be treated with a sufficient quantity of this product to produce a concentration of 200 to 2000 ppm this product when diluted by the water present in the drip. Injections must be repeated yearly, or as needed to maintain control.

**HYDROTESTING**

Water used to hydrotest pipelines or vessels must contain 100 to 4,000 ppm this product (0.09 to 3.5 gallons of this product per 1,000 gallons water), depending on water quality and length of time the equipment will remain idle.

**PIPELINE PIGGING AND SCRAPING OPERATIONS**

Add this product 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 this product must be added to produce concentration of 0.1 to 1% (0.09 to 0.9 gallon of this product per 100 gallons water), depending on the length of the pipeline and the severity of biofouling.

**FLOWCHEM FCB-13  
Industrial Bactericide**

A HIGHLY EFFECTIVE MICROBIOCIDICIDE FOR USE IN CONTROLLING BACTERIA INCLUDING SLIME-FORMING BACTERIA AND SULFATE-REDUCING BACTERIA, FUNGI (YEAST AND MOLDS) AND ALGAE IN OIL WELL DRILLING, OIL FIELD PROCESSING APPLICATIONS, OIL FIELD WATER SYSTEMS, OIL AND GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS, AND GAS STORAGE FIELDS AND EQUIPMENT. EXAMPLES INCLUDE: STEAM-INJECTION WATER HOLDING TANKS, STORAGE TANKS, FLOOD WATER, FRACTURING FLUIDS, INJECTION WATER, HOLDING POND WATER, DISPOSAL-WELL WATER, WATER HOLDING TANKS, FUEL STORAGE TANKS AND RELATED REFINERY AND OIL FIELD CLOSED, INDUSTRIAL RECIRCULATING WATER HANDLING SYSTEMS.

ACTIVE INGREDIENT: Glutaraldehyde.....25.0%  
INERT INGREDIENTS:.....75.0%  
**100.0%**

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS

FIRST AID	
<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes</li> <li>Remove contact lenses, if present. After the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or a doctor immediately 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 water for 15-20 minutes.</li> <li>Call a poison control center or a doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>Call a poison control center or a doctor immediately for treatment advice.</li> <li>Have a person sip a glass of water if able to swallow</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor</li> <li>Do not give anything to drink 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, and then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>Call a poison control center or a doctor for further treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
<b>IN CASE OF EMERGENCY</b> endangering life or property involving this product, call <b>(800) 424-9300</b>	
<b>NOTE TO PHYSICIAN:</b> Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.	

EPA Reg. No. 86130-FCB-13  
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  
**Sold By: Flowchem Technologies Made in USA**  
289 Cutlass Lp Rayne, LA 70578  
NET CONTENTS SHOWN ELSEWHERE ON CONTAINER



**STORAGE AND HANDLING**

**STORAGE:** This product is incompatible with many commonly used materials or construction such as steel, galvanized iron, aluminum, tin, and zinc. This product can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This product freezes at about -6F (-21C). Therefore unless the storage tank is inside or underground, heating and insulation may be required. If heating is needed, exposure to high temperatures should be avoided. For short storage times (up to about 1 month), temperatures of up to 100F (37.8C) can be tolerated but the preferred maximum storage temperature is about 80F (26.7C). Handle in a well-ventilated area. If vapors are irritating to the nose or eyes, special ventilation or respiratory protection (MSHA/NIOSH approved air purifying respirator equipped with an organic cartridge) may be required

**STORAGE AND DISPOSAL PESTICIDE DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Pesticide wastes are toxic. 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 Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

*Text for non-refillable containers*

**CONTAINER DISPOSAL:** Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. For containers of 5 gallons or less: 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 with capacities greater than 5 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

*Text for refillable containers*

**CONTAINER DISPOSAL:** 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 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.

Net Contents: Bulk, Drum, Tote, Pail or as marked on label and/or container  
Lot No.: as marked on label or container  
Optional: DOT shipping classification info, NFPA symbol, statement to read SDS and warranty, instructions to affix DOT label(s), additional emergency telephone numbers.

