



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

EPA Reg. Number:

1839-264

Date of Issuance:

9/27/23

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

PETROCIDE QG-105W

Name and Address of Registrant (include ZIP Code):

Dru Harness  
Senior Regulatory Scientist  
Stepan Company  
Electronic Transmittal: dru.harness@stepan.com

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

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

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

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

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

Signature of Approving Official:

Tara Flint Silva, Acting Product Manager 31  
RMBI, Antimicrobials Division  
Office of Pesticide Programs

Date:

9/27/23

EPA Form 8570-6

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

- a. ADBAC GDCI-069105-30882; 069105-1679
- b. 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. Make the following label changes before you release the product for shipment:

- Revise the EPA Registration Number to read, “EPA Reg. No. 1839-264.”

4. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. See FIFRA section 2(p)(2). If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process, FIFRA section 12(a)(1)(B). Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Assurance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 09/11/2023

If you have any questions, you may contact Joe Daniels via email at [Daniels.joseph@epa.gov](mailto:Daniels.joseph@epa.gov).

Enclosure: Stamped Label

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER.** Corrosive. Causes irreversible eye damage and skin burns. Methanol may cause blindness. May be fatal if absorbed through skin, swallowed, or inhaled. Causes asthmatic signs and symptoms in hyper-reactive individuals. Do not get in eyes, on skin, or on clothing. Do not breathe spray mist or vapor. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. 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 use.

#### Personal Protective Equipment (PPE)

- Wear protective eyewear such as goggles, face shield, or safety glasses.
- Wear coveralls worn over long-sleeve shirt and long pants, socks, chemical-resistant footwear, chemical-resistant gloves (Barrier Laminated, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, Natural Rubber, Polyvinyl Chloride (PVC), or Viton, selection Category A), and chemical-resistant apron.
- Wear a minimum of a NIOSH-approved elastomeric half mask respirator with organic vapor (OV) cartridges and combination N, R, or P filters; OR a NIOSH-approved gas mask with OV canisters; OR a NIOSH-approved powered air purifying respirator with OV cartridges and combination HE filters.

Follow manufacturers' instructions for cleaning & maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

In a chemical emergency, call [insert service or company name] at [insert phone number]. Before using consult material safety data sheet. To request a material safety data sheet, contact [insert contact information].

# Petrocide QG-105W

## ACTIVE INGREDIENTS

Glutaraldehyde ..... 5.00%  
Alkyl (50% C<sub>14</sub>, 40% C<sub>12</sub>, 10% C<sub>16</sub>)  
dimethyl benzyl ammonium chlorides .. 10.00%

**INERT INGREDIENTS** ..... 85.00%

**TOTAL** ..... 100.00%

## KEEP OUT OF REACH OF CHILDREN DANGER (PELIGRO)



(Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS  
[Note to Reviewer: In accordance with 40 CFR 156.68(d), all first aid statements, as prescribed, will appear on the front panel of the product label.]

### 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. Call a poison control center or doctor for treatment advice.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**If 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 to an unconscious person.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

**Have the product container or label with you when calling a poison control center or doctor or going for treatment. For general information on product use, etc., call the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday – Friday, 8:00 am – 12:00 pm Pacific Time; email: npic@ace.orst.edu; or website: <http://npic.orst.edu/>. You may also contact the Poison Control Center at 1-800-222-1222 for emergency medical treatment information.**

EPA REG. NO. 1839-XXX  
EPA EST. NO. 1839-IL-01

**STEPAN COMPANY**  
1101 Skokie Blvd, Suite 500  
Northbrook, IL 60062 USA

NET CONTENTS:

## 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.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE – (Petrocide QG-105W) (Product name)** solutions are corrosive to many commonly used materials of construction such as steel, galvanized iron, aluminum, tin and zinc. These solutions can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel or reinforced epoxy-plastic equipment. To avoid freezing, locate the storage tank 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 100°F can be tolerated, but the preferred maximum storage temperature is about 80°F. A stainless steel centrifugal pump is suggested for transfer service. Spiral-wound stainless steel with TEFLON® is suitable for gaskets and packing.

**PESTICIDE DISPOSAL –** 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 or your Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse empty container with water. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning of 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 container before final disposal, empty contents into application equipment and triple rinse. Pour or pump rinsate into application equipment or rinsate collection system. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

**ACCEPTED**

09/27/2023

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 1839-264

## DIRECTIONS FOR USE

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

The open pouring of glutaraldehyde solutions must be limited to low volume applications where the amount of concentrate handled is less than five gallons per day.

Automatic addition systems that minimize operator exposure to the concentrated product must be used when handling larger amounts of glutaraldehyde. If this is not feasible then local exhaust ventilation must be used to reduce glutaraldehyde exposure.

### WATER TREATMENT MICROBIOCIDES FOR BUILDING AND INDUSTRIAL COOLING TOWERS SYSTEMS

#### Cooling Towers, Air Washers, and Recirculating Cooling Water Systems

This product should be added to a water treatment system at a point of uniform mixing such as the basin area. Addition may be made intermittently (Slug Dose) or continuously. Badly fouled systems can be shock treated with this product. Under these conditions, blow down should be discontinued for up to 24 hours.

#### Intermittent (Slug Dose) Method

1. **Initial Dose:** When the system is noticeably fouled, add 4.0 – 8.0 fluid ounces of product per 100 gallons of water to the system. Repeat until control is achieved.
2. **Subsequent Dose:** When microbial control is evident, add 2.0 – 4.0 fluid ounces of product per 100 gallons of water to the system weekly, or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

#### Continuous Feed Method

3. **Initial Dose:** When the system is noticeably fouled, add 4.0 – 8.0 fluid ounces of product per 100 gallons of water in the system.
4. **Subsequent Dose:** Maintain this treatment level by starting a continuous feed of 2.0 – 4.0 fluid ounces of product per 100 gallons of water in the system per day. Badly fouled systems must be cleaned before treatment is begun.

### HEAT TRANSFER SYSTEMS (Evaporate Condensers, Hydrostatic Sterilizers and Retorts and Pasteurizers and Warmers).

This product should be used at the same application rates, and in the same manner as described above. It should be added to the system at a point of uniform mixing such as the basin area, sump area, or other reservoir or collecting area from which the treated water will be circulated uniformly throughout the system.

### SERVICE WATER AND AUXILIARY SYSTEMS

This product is used at the same application rates, and in the same manner as described above in Cooling Towers, Air Washers, and Recirculating Cooling Water Systems. Add this product to the system at a point that will allow for uniform mixing throughout the system.

### INDUSTRIAL WASTEWATER SYSTEMS (Wastewater Systems, Wastewater Sludge, and Wastewater Holding Tanks)

This product is added to a wastewater system or sludge at a convenient point of uniform mixing such as digester. Add 1.69-8.21 gallons of product per 1,000 gallons of wastewater or sludge.

### WATER FLOODS, ENHANCED OIL RECOVERY (EOR) FLUIDS

This product controls slime and corrosion causing bacteria in waters used for secondary oil and gas recovery and reduces bacterial contamination and degradation for EOR polymers and gels. If the system is heavily fouled, slug treat at the higher rate to remove biofilm. This product should be added to a water flood system at a point of uniform mixing such as the area of addition of make-up water to the holding tank. **Initial Treatment:** When the system is noticeably contaminated, add 0.2 – 10.0 gallons product per 1000 gallons flood water. Repeat until control is achieved. **Subsequent Dose:** When microbial control is evident, add 0.02 – 10.0 gallons product per 1000 gallons flood water weekly, or as needed to maintain control.

## WATER TREATMENT MICROBIOCIDES FOR OIL & GAS FIELD SYSTEMS

### OILFIELD WATER FLOOD OR SALT WATER DISPOSAL SYSTEMS

This product controls the forming of slime and sulfate reducing bacteria in oilfield water fluid or salt water disposal systems. This product should be added to fluid at a point of uniform mixing. **Initial Treatment:** When the system is noticeably contaminated, add 0.2–10.0 gallons product per 1000 gallons flood water. Repeat until control is achieved. **Subsequent Dose:** When microbial control is evident, add 0.02 -10.0 gallons product per 1000 gallons flood water weekly, or as needed to maintain control.

### FRACTURING FLUIDS (AND) (OR) STIMULATION FLUIDS)

This product (Petrocide QG-105) reduces bacterial contamination and degradation of fracturing fluids and gels used in oil and gas stimulations. This product (Petrocide QG-105) must be added to the water storage tanks before gelling and circulated to ensure mixing. This product (Petrocide QG-105) can be added to the well head for "on-the fly" fracturing jobs. Frequency and Dose: This Product must be added at a rate of 100 to 10,000 ppm this product (0.1 to 10.0 gallons per 1000 gallons), depending on water quality. Retreat after 48 hours if the frac job is delayed.

### DRILLING MUDS, PACKER FLUID, COMPLETION AND WORKOVER FLUIDS

This product should be added to a fluid system at a point of uniform mixing such as a circulating or holding tank. **Initial Treatment:** Add 0.4 – 8.0 gallons product per 100 barrels of fluids to a freshly prepared drilling fluid depending on the severity of contamination. Maintenance Dosage: As the total volume of the system increases due to increased well depths, maintain product level by adding 0.4 – 8.0 gallons of product per 100 barrels of additional fluid, or as needed, depending on the severity of contamination.

### OIL AND GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS AND PIPELINE PIGGING AND SCRAPING OPERATIONS

Petrocide QG-105 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 (Petrocide QG-105) through the entire internal surface of the pipeline. Add this product (Petrocide QG-105) 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 training pig). Sufficient (Petrocide QG-105) must be added to produce a concentration of 200 to 10,000 ppm Petrocide QG-105 per 100 gallons water, depending on the length of the pipeline and the severity of biofouling.

### GAS STORAGE WELLS AND SYSTEMS

Individual injection wells are to be treated with an amount of product to produce a concentration of 100 – 10,000 ppm of this product when diluted by the water present in the formulation. Injection takes must take place before gas is injected. Injections must be repeated yearly, or as needed to maintain control.

Individual drips should be treated with an amount of product to produce a concentration of 685-6,890 ppm of this product when diluted by the water present in the drip. Repeat injections annually, or as needed to maintain control.

### HYDROTESTING

Water used to hydrotest pipelines or vessels should contain 0.2 – 10.0 gallons of product per 1,000 gallons of water depending on water quality and the length of time the equipment remains idle.

{Note to Reviewer: Language in parentheses is optional and either can appear on the in-commerce label.}