



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

EPA Reg. Number:

1839-252

Date of Issuance:

8/7/19

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Petrocide GQ-4275

Name and Address of Registrant (include ZIP Code):

Lael Jimenez
Stepan Company
22 Frontage Road
Northfield, IL 60093

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

Date:

8/7/19

2. You are required to comply with the data requirements described in the DCI identified below:
 - a. Alkyl Dimethylbenzyl Ammonium Chloride GDCI-069105-1679
 - b. Glutaraldehyde EDSP-043901-1668

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. 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.
4. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 1839-252.”
5. 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 CSF:

- Basic CSF dated 09/14/2018

If you have any questions, please contact Michael Varco by phone at 703-347-0403, or via email at Varco.Michael@epa.gov.

Enclosure

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Corrosive. Causes irreversible eye damage. Causes skin burns. May be fatal if swallowed or absorbed through skin. May be fatal if inhaled. Do not get in eyes, on skin, or on clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wear protective eyewear such as goggles, face shield, or safety glasses. Wear coveralls worn over long-sleeved shirt and long pants, socks and chemical-resistant boots, and waterproof gloves (Barrier Laminate, or Butyl Rubber, or Nitrile Rubber, or Neoprene Rubber, or Natural Rubber, or Polyethylene or Polyvinyl Chloride (PVC), or Viton, selection Category A). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Do not breathe vapor or spray mist. Wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R, or P filter; OR a NIOSH-approved elastometric particulate respirator with any N, R, or P filter; OR a NIOSH-approved powdered air purifying respirator with a HE filters. Remove and wash contaminated clothing before reuse.

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].

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.

ACCEPTED

Aug 07, 2019

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 1839-252

PETROCIDE GQ-4275

ACTIVE INGREDIENTS

Glutaraldehyde 42.50%
Alkyl (50% C₁₄, 40% C₁₂, 10% C₁₆)
dimethyl benzyl ammonium chlorides 7.50%

INERT INGREDIENTS 50.00%

TOTAL 100.00%

KEEP OUT OF REACH OF CHILDREN

DANGER

SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS

FIRST AID

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

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 by mouth 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 treatment advice.

You may contact [insert phone number] for emergency medical treatment information. For general information on product use, call the National Pesticides Information Center at (800) 858-7378. You may also contact (800) 222-1222, the poison control center, for emergency medical treatment information.

NOTE TO PHYSICIAN: Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.

NET CONTENTS:

PETROCIDE GQ-4275 used throughout this document may be replaced with the marketed product brand name.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE – (Petrocide GQ-4275) (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® Polymer is suitable for gaskets and packing. 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 vapor cartridge) may be required.

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:

(Label Option for Nonrefillable Container All Sizes)

Nonrefillable Container: Nonrefillable container. Do not reuse or refill this container. Triple rinse empty container promptly after emptying. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

(Containers 5 gallons or less)

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.

(Containers greater than 5 gallons):

Triple Rinse as follows: Empty 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. 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.

(Label Option for Refillable Container All Sizes)

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 a 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. 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.

DIRECTIONS FOR USE

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

Air Washers, Industrial Scrubbing Systems/Recirculating Cooling and Process Water Systems

This product should only be used in industrial air washers and air washer systems which have mist-eliminating components.

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 12.7 – 25.5 fluid ounces of product per 1000 gallons of water to the system. Repeat until control is achieved.
2. **Subsequent Dose:** When microbial control is evident, add 5.1 – 12.7 fluid ounces of product per 1000 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 12.7 – 25.5 fluid ounces of product per 1000 gallons of water in the system.
4. **Subsequent Dose:** Maintain this treatment level by starting a continuous feed of 2.6 – 12.7 fluid ounces of product per 1000 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 500 – 2,500 ppm (0.45 – 2.3 gallons) of product per 1,000 gallons of wastewater or sludge.

WATER FLOODS

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 100 – 500 ppm product (0.09 – 4.5 gallons product per 1000 gallons flood water). Repeat until control is achieved. **Subsequent Dose:** When microbial control is evident, add 20 – 5,000 ppm product (0.02 – 4.5 gallons product per 1000 gallons flood water) weekly, or as needed to maintain control.

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

This product reduces bacterial contamination and degradation of fracturing fluids and gels used in oil and gas well simulations. This product should be added to a (fracturing fluid) (and)(or) (stimulation fluid) at a point of uniform mixing such as the area of addition of make-up water to the holding tank or directly into well head injection pipeline as the water is being pumped down-hole. **Dosage:** This product (Product name) is added at 118 – 5,882 ppm product (1.1 – 53.3 gallons product per 10,000 gallons) depending on microbial fouling present in source water.

DRILLING, COMPLETION, AND WORKOVER FLUIDS, MUDS

This product should be added to a drilling fluid system at a point of uniform mixing such as a circulating tank. **Initial Treatment:** Add 50-1,000 ppm product (0.2 – 3.8 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 50 – 1,000 ppm product level by adding 0.2 – 3.8 gallons of product per 100 barrels of additional fluid, or as needed, depending on the severity of contamination.

PACKER FLUIDS

This product should be added to a packer fluid at a point of uniform mixing such as a circulation holding tank. Add 50 – 600 ppm product (0.2 – 2.3 gallons 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.

OIL AND GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS

This product is added to an oil/gas production or transmission line via direct injection. The application is conducted to ensure maximum distribution of this product throughout the entire internal pipeline surface by adding enough 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 the product with an appropriate solvent immediately before use. The concentration of product in the solvent must not fall below an active concentration range of 500-5,000 ppm product based on volume of water in the pipeline. Injections should be made weekly, or as needed to maintain control.

GAS STORAGE WELLS AND SYSTEMS

Individual injection wells are to be treated with an amount of product to produce a concentration of 500 - 5,000 ppm of this product when diluted by the water present in the formulation. Injection takes place before gas is injected (during the summer). Repeat injections annually, or as needed to maintain control.

Individual drips should be treated with an amount of product to produce a concentration of 200 – 2,000 ppm of this product when diluted by the water present in the drip. Repeat injections annually, or as needed to maintain control.

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 trailing pig. Add 0.09 – 0.9 gallons of product to 100 gallons of water depending on the length of the pipeline and the severity of the biofouling.

HYDROTESTING

Water used to hydrotest pipelines or vessels should contain 100 – 4,000 ppm (0.09 – 3.6 gallons) of product per 1,000 gallons of water depending on water quality and the length of time the equipment remains idle.

Language in parentheses is optional and either can appear on the in-commerce label.