



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

EPA Reg. Number:

90511-6

Date of Issuance:

7/31/19

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

IGL 14-2.5 Antimicrobial

Name and Address of Registrant (include ZIP Code):

Wendy McCombie
 Imperial Group, LLC
 Tempe, AZ 85282

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:

7/31/19

2. You are required to comply with the data requirements described in the DCIs identified below:
 - a. Glutaraldehyde GDCI-043901-1668
 - b. ADBAC GDCI-069105-30882

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. 90511-6.”
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 CSFs:

- Basic CSF dated 07/02/2019

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

Enclosure: Accepted label

IGL 14-2.5 ANTIMICROBIAL

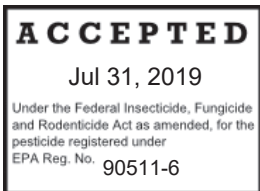
An Effective Microbiocide For Use In Air Washers, Industrial And Commercial Recirculating Cooling Water Towers, Retort Water Systems, Evaporative Condensers, Heat Exchange And Transfer Water Systems, Dairy Sweetwater Systems, Hydrostatic Sterilizers, Pasteurizers And Warmers, Auxiliary Systems And Service Water, Industrial Wastewater Systems (Wastewater Systems, Wastewater Sludge And Wastewater Holding Tanks), Oil And Gas Production And Transmission Pipelines And Systems, Oil Field Water Flood Systems And Fracturing Fluids, Fracturing (Frac) Fluids, Gas Storage Wells And Systems Pipeline Pigging And Scraping Operations, Drilling, Completion And Workover Fluids Systems, Packer Fluids, Hydrotesting Facilities, Pulp And Paper Mill Process Systems (Slimicide Applications, Water Based Coating, Pigments And Filler Slurries For Pulp And Paperboard)

ACTIVE INGREDIENT:

Glutaraldehyde.....	14.0%
Alkyl (C14 50%, C12 40%, C16 10%) dimethyl benzyl ammonium chloride.....	2.5%

OTHER INGREDIENTS:.....	83.5%
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TOTAL.....	100.0%
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KEEP OUT OF REACH OF CHILDREN DANGER (PELIGRO)

See [back] [side] panel for additional precautionary statements [and first aid]

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. 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 a person sip a glass of water if able to swallow. Do not induce vomiting unless told to 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.
HOTLINE NUMBER	
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 at 1-800-858-7378. You may also contact the poison control center at 1-800-222-1222 for emergency medical treatment information.	

PRECAUTIONARY STATEMENTS
HAZARD TO HUMANS AND DOMESTIC ANIMALS

DANGER. Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed, absorbed through skin, or inhaled. Do not get in eyes, on skin, or on clothing. Avoid breathing vapor. Wear protective eyewear such as goggles, face shield, or safety glasses. Wear long-sleeve shirt, long pants, shoes, socks, chemical-resistant gloves, and chemical-resistant apron. 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. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, aquatic invertebrates, oysters and shrimp.

If container is equal to or greater than 5 gallons, the following statements must also appear on the label:

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 into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

Flowback and/or produced water **MUST NOT** be discharged to a Publicly Owned Treatment Water (POTW) facility, but **MUST** be reused in another oilfield application or disposed of via deep well injection in accordance with local permits.

DIRECTIONS FOR USE

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

FOR CLOSED MIXING AND LOADING SYSTEMS ONLY

Handlers must use a closed system that is designed to prevent dermal and inhalation exposures by removing the product from the container and applying the product via metering pump to the blender. The closed system must function properly and be used and maintained in accordance with the manufacturer's written operating instructions.

Do not use water containing residues from use of this product to irrigate crops for food or feed.

WATER TREATMENT

AIR WASHERS, INDUSTRIAL AND COMMERCIAL RECIRCULATING COOLING WATER TOWERS, RETORT WATER SYSTEMS, EVAPORATIVE CONDENSERS, HEAT EXCHANGE AND TRANSFER WATER SYSTEMS, DAIRY SWEETWATER SYSTEMS, HYDROSTATIC STERILIZERS, PASTEURIZERS AND WARMERS

Clean heavily contaminated systems before treatment for best results. Rinse thoroughly before charging with this product if soap or anionic detergents are used for cleaning. Repeat every seven days or more frequently as needed. Repeat initial dosage if slime develops.

Add IGL 14-2.5 Antimicrobial at a point in the system where it will be uniformly mixed, such as the sump, the basin area, or another reservoir or collection area. Apply when the system may be affected or after cleaning systems where efficiency has been impaired.

INTERMITTENT OR SLUG APPLICATION METHOD

Initial Dose: If the system is noticeably fouled, add 42 to 85 ounces of IGL 14-2.5 Antimicrobial per 1,000 gallons of system water (50 to 100 ppm active). Repeat application until control is achieved.

Subsequent Dose: When microbial control is evident, add 17 to 42 ounces of IGL 14-2.5 Antimicrobial per 1,000 gallons of system water (20 to 50 ppm active) weekly or as needed to maintain control.

CONTINUOUS FEED METHOD

Initial Dose: If the system is noticeably fouled, add 42 to 85 ounces of IGL 14-2.5 Antimicrobial per 1,000 gallons of system water (50 to 100 ppm active).

Subsequent Dose: Maintain this treatment by starting a continuous feed of 8 to 42 ounces of IGL 14-2.5 Antimicrobial per 1,000 gallons of system water (10 -50ppm active) lost by blowdown.

Cooling tower waters with low algae growth and bacteria counts may be controlled by the lower range of dosages. Tower bleed off valves must be closed to permit a retention time of 4 hours.

Use this product only with industrial air washers and air washer systems that have mist-eliminating components.

AUXILIARY SYSTEMS AND SERVICE WATER

Add IGL 14-2.5 Antimicrobial to the system continuously at a point of uniform mixing by slug or intermittent feed or by spraying onto a waste pile. Use 42 to 85 ounces of IGL 14-2.5 Antimicrobial per 1,000 gallons of system water (50 to 100 ppm active). The frequency of feed or spray and the duration of treatment will depend upon the severity of contamination. Make additions to water systems during the pumping operation and as close to the pump as possible to ensure adequate mixing.

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

Add IGL 14-2.5 Antimicrobial to wastewater systems or sludge at a point of uniform mixing such as digester. Use 200 to 975 ounces (1.6 to 7.6 gallons) per 1,000 gallons of wastewater or sludge (1,600 to 7,600 ppm active).

OIL FIELD, GAS PRODUCTION, TRANSMISSION PIPELINE AND SYSTEMS

Treatment requirements vary among oil and/or gas field sites and subsystem components. Oil field fluids and subsystems that usually require microbial contamination control include raw water sources, ballasts, separators, storage and mixing tanks, surface injection equipment, screens, production equipment (such as injection and production piping casing, completion and valving) and the formation itself. The primary point of treatment varies among oil and gas field operations depending on the site problems, water-flood treatment methods, and equipment. Add IGL 14-2.5 Antimicrobial at a point where it will disperse rapidly and uniformly to the treatment area.

Use the proper type of metering pump equipment, suction (low pressure) side of pumping equipment or similar device when adding IGL 14-2.5 Antimicrobial. Add IGL 14-2.5 Antimicrobial to the system by slug, continuous or on an intermittent basis, depending on the degree of system fouling.

The concentration of the solvent should 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 should be weekly, or as needed to maintain control.

OIL FIELD WATER FLOOD SYSTEMS AND FRACTURING FLUIDS

Add IGL 14-2.5 Antimicrobial to the water flood water disposal system at a point of uniform mixing.

Continuous Use: Add 0.3 to 14.5 gallons of IGL 14-2.5 Antimicrobial per 1,000 gallons of flood water (300 to 15,000 ppm active) to control sulfate-reducing and slime forming bacteria. Effective control levels will vary depending on site conditions.

Intermittent Use: Add 0.06 to 14.5 gallons of IGL 14-2.5 Antimicrobial per 1,000 gallons of flood water (60 to 15,000 ppm) for 4 to 8 hours per day, one to four times a week as needed to maintain control.

Treatment of flow back return water (Post Hydraulic Fracturing): Add 0.3 to 14.5 gallons of IGL 14-2.5 Antimicrobial per 1,000 gallons of water of flood water for 4 to 8 hours per day, one to four times a week as needed to maintain control.

FRACTURING (FRAC) FLUIDS

Add IGL 14-2.5 Antimicrobial to frac water storage tanks or directly into the well head injection pipeline as the water is being pumped down-hole. Add 3.5 to 172.5 gallons of IGL 14-2.5 Antimicrobial per 10,000 gallons of flood water (360 to 17,900 ppm active) to control slime forming and sulfate reducing bacteria. Effective control levels will vary depending on site conditions.

OIL AND GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS

To control of sulfate-reducing bacteria and slime forming bacteria, directly inject IGL 14-2.5 Antimicrobial to gas production or transmission pipelines at a point where uniform and maximum distribution will occur. Ensure maximum distribution of IGL 14-2.5 Antimicrobial through the internal surface of the pipeline by adding a sufficient dose that will eventually come out the other end of the pipeline. Successful the treatment will result in bacterial count reduction and/or corrosion rates. Dilute IGL 14-2.5 Antimicrobial 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 active based on the volume of water in the pipeline. Make injections to the system weekly, or as needed to maintain control.

GAS STORAGE WELLS AND SYSTEMS

Treat individual injection wells with 6.1 to 61 gallons of IGL 14-2.5 Antimicrobial per 1,000 gallons of water (1,500 to 15,000 ppm active). Adjust treatment rate as needed. Dilute IGL 14-2.5 Antimicrobial with the water present in the system. Inject IGL 14-2.5 Antimicrobial into the system before gas is injected. Repeat yearly or as needed to maintain control.

Treat individual drips with enough IGL 14-2.5 Antimicrobial to achieve a 600 to 6,000 ppm active concentration when diluted by water present in the drip. Repeat injections yearly or as needed to maintain control.

PIPELINE PIGGING AND SCRAPING OPERATIONS

Add IGL 14-2.5 Antimicrobial to slug water immediately following the scraper, keeping the water volume to a minimum and contained between the scraper and the following (trailing) pig. Add 3 to 32 gallons of IGL 14-2.5 Antimicrobial per 1,000 gallons of water (500 -5000 ppm active) to produce a 0.3 to 3% active solution. Effective control levels will vary depending on the severity of the biofouling and length of the pipeline.

DRILLING, COMPLETION AND WORKOVER FLUIDS SYSTEMS

Add IGL 14-2.5 Antimicrobial to these fluid systems at a uniform mixing point, such as a circulating, holding or mud tanks. Effective control levels will vary depending on the severity of the contamination and site conditions.

Initial treatment: Add 0.6 to 12.2 gallons of IGL 14-2.5 Antimicrobial per 1,000 gallons of freshly prepared fluid (150 to 3,000 ppm active).

Maintenance dosage: Add 0.1 to 2 gallons of IGL 14-2.5 Antimicrobial per 1,000 gallons of freshly prepared fluid (25 to 500 ppm active).

PACKER FLUIDS

Add IGL 14-2.5 Antimicrobial to the packer fluid at a uniform mixing point, such as a circulating holding tank and other mixing device locations. Add 0.06 to 7.3 gallons of IGL 14-2.5 Antimicrobial per 1,000 gallons of freshly prepared packer fluid (150 to 1,800 ppm active). Effective control levels will vary depending on the severity of contamination and conditions at the site. Seal the treated packer fluid in the wall between the casing and the production tube.

HYDROTESTING

Treat water for hydrotesting pipelines or vessels by adding 0.3 to 11.8 gallons of IGL 14-2.5 Antimicrobial per 1,000 gallons of water (300 to 12,000 ppm active), depending on the water quality and length of time the equipment will remain idle.

PULP AND PAPER MILLS

Do not use to treat paper or paperboard which will contact food.

SLIMICIDE APPLICATIONS

Apply IGL 14-2.5 Antimicrobial to the system at a uniform mixing point such as thin or thick stock chests, save-all tanks, whitewater tanks, or process tanks.

Initial Dose: If the system is noticeably contaminated, add 1.5 to 9.0 pounds of IGL 14-2.5 Antimicrobial per ton, or 0.76 to 4.5 kilograms per metric ton, of pulp or paper (dry basis) as a slug dose, Repeat until control is achieved. Boil out heavily fouled systems prior to initial treatment.

Subsequent Dose: When microbial control is evident, add 0.9 to 6.0 pounds of IGL 14-2.5 Antimicrobial per ton, or 0.46 to 3.0 kilograms per metric ton, of pulp or paper (dry basis) as a slug dose. Treat as necessary to maintain control.

WATER BASED COATING, PIGMENTS AND FILLER SLURRIES FOR PULP AND PAPERBOARD

Apply IGL 14-2.5 Antimicrobial at a good mixing point in the system or at the size press or water box. Use IGL 14-2.5 Antimicrobial at a rate of 0.3 to 1.8 lbs. per 1,000 lbs. of dry powder or 0.3 to 1.8 kg of this product per metric ton of dry slurry to produce a concentration of 300 to 1,800 ppm active (based on slurry solids) in the mixed slurry.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store only in original container at room temperature. Keep IGL 14-2.5 Antimicrobial under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

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:

Non-Refillable Container: Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. For containers of five 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.

For containers greater than five 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. 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.

Refillable Container: Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning of the container is the responsibility of the person disposing of the container. Cleaning the container before refilling is the responsibility of the person refilling the container. To clean the 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 other procedures approved by state and local authorities.

EPA Reg. No. 90511- _____

EPA Est. No.

Net Contents: _____ Gallons

MANUFACTURED [BY] [FOR]: Imperial Group LLC, 631 E Laguna Dr, Tempe, AZ 85282