

464-714

10-21-2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460



Office of Pesticide Programs

OCT 21 2009

The Dow Chemical Company  
1803 Building  
Midland, MI 48674

Attention: Rhonda Vance-Moeser  
Senior Regulatory Specialist

**Subject: AQUICAR™ GA30LT Water Treatment Microbiocide**  
EPA Registration No. 464-714  
Notification Dated September 24, 2009

This will acknowledge receipt of your notification to revise the container disposal statement on the label in response to PR Notice 2007-4, submitted under the provisions of FIFRA Section 3(c)(9). Based on a review of the submitted material, the following comments apply.

The Notification is in compliance with PR Notice 98-10 and is acceptable. This information has been made a part of your file.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely,

Marshall Swindell  
Product Manager (33)  
Regulatory Management Branch 1  
Antimicrobials Division (7510P)





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The Dow Chemical Company  
Midland, Michigan 48667

September 24, 2009

Overnight Mail

Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
U. S. Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2777 S. Crystal Drive  
Arlington, Virginia 22202-4501

**RE: NOTIFICATION – EPA REG. NO. 464-714  
AQUICAR™ GA 30 LT Water Treatment Microbiocide**

To Whom It May Concern:

The Dow Chemical Company (Dow) hereby submits a Notification application to revise the container disposal statement on the label in response to PR Notice 2007-4. In order for the application to be processed the required Notification statement is below.

**“This Notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject enforcement action and penalties under section 12 and 14 of FIFRA”**

Enclosed are the following documents to support this Notification

- 1) Completed application, Pesticide Registration, Form 8570-1.
- 2) One marked copy of the label indicating the change highlighted in yellow.
- 3) Two copies of final label.

Please contact me if you have any questions or need additional information.

Sincerely,

Rhonda Vance-Moeser  
Senior Regulatory Specialist  
574 Building, Office 2044  
Midland, MI 48667  
Phone: (989) 636-1884  
e-mail: [rgvmoeser@dow.com](mailto:rgvmoeser@dow.com)



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

**DANGER**

**KEEP OUT OF REACH OF CHILDREN**

Corrosive. Causes irreversible eye damage. Causes skin burns. Harmful if inhaled. May be fatal if swallowed. Harmful if absorbed through the 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, 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.

**PHYSICAL AND CHEMICAL HAZARDS**

Extremely Flammable! Keep away from heat, sparks and open flame.

**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 HANDLING**

AQUCAR GA 30LT Water Treatment Microbiocide is incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. AQUCAR GA 30LT Water Treatment Microbiocide can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This product freezes at about -45.4°F (-43°C). 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 100°F (37.8°C) can be tolerated but the preferred maximum storage temperature is about 80°F (26.7°C). 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.

**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 or your Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

*Option to use for labels on nonrefillable containers of all sizes*  
**Container Disposal:** Nonrefillable Container. Triple 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.

*Option to use for labels on refillable rigid tote containers*

Refillable container. Refill this container with pesticide only. Do not reuse container for any other purpose. Cleaning of container before final disposal is the responsibility of person disposing of container. Cleaning before refilling is the responsibility of 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 or puncture and dispose of in a sanitary landfill, or by incineration, or other procedures allowed by state and local authorities.

4/6  
**AQUCA**

**Water Treatn**

A MICROBICIDE FOR USE IN REDUCING BACTERIA AND SLIME IN FIELD PROCESSING APPLICATIONS, PRODUCTION AND TRANSMISSION FIELDS AND EQUIPMENT; SUCH AS FLOOD WATER, FRACTURING FLUIDS DISPOSAL-WELL WATER, WATER RELATED REFINERY AND OIL FIELD HANDLING SYSTEMS.

Active Ingredient: Glutaraldehyde

Inert Ingredients: . . . . .

**KEEP OUT OF REACH OF CHILDREN**

- If swallowed:**
- Call CHEMTREC or a doctor immediately
  - DO NOT INDUCE VOMITING.
  - Do not give anything to drink.

- If in eyes:**
- Wash immediately and continuously with water
  - Remove contact lenses after the first 5 ml
  - Obtain prompt medical consultation, preferably

- If on skin or clothing:**
- Take off contaminated clothing.
  - Rinse skin immediately with plenty of water
  - Call CHEMTREC or a doctor for treatment

- If inhaled:**
- Move person to fresh air.
  - If person is not breathing, call 911 or an ambulance, preferably mouth-to-mouth if possible.
  - Call CHEMTREC or a doctor for further treatment

**NOTE TO PHYSICIAN:** Aspiration may contraindicate the use of gastric lavage. Have the MSDS and, if available, the poison control center or a doctor, or going to

SEE SIDE PANEL FOR ADDITIONAL INFORMATION

Produced for:



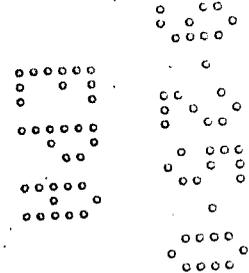
**The Dow Chemical Company**  
 Midland, Michigan 48674 U.S.A.  
 (989)636-4400

©TM Trademark of The Dow Chemical Company (Dow) or an affiliated company of Dow Made in U.S.A.

Net Contents: 55 gallons

CONTAINER SIZE	SHIPPING NAME
55 GALLONS	
448 lb NET WEIGHT	HAZARD CLASS 3.8

IN CASE OF AN EMERGENCY endangerment call collect, (983)633-4400



\* CHANGES

EMENTS  
ESTIC ANIMALS

CHILDREN

es skin burns. Harmful if  
bed through the skin.  
ause allergic reactions in  
ptoms in hyper-reactive

gloves.

HAZARDS

and open flame.

RDS

nt containing this product into  
ters unless in accordance  
ge Elimination System  
in notified in writing prior to  
roduct to sewer systems  
nt plant authority. For  
I Office of the EPA.

NG

de is incompatible with  
uch as steel, galvanized  
30LT Water Treatment  
ed phenolic-lined steel,  
-plastic equipment. This  
fore, unless the storage  
ion may be required. If  
hould be avoided. For  
eratures of up to 100°F  
n storage temperature is  
ump is suggested for  
1 TEFLON® Polymer is

ting to the nose or eyes,  
IANIOSH approved air  
por cartridge) may be

OSAL

water, food or feed by  
ed. Pesticide wastes  
ide, spray mixture or  
e wastes cannot be  
is, contact your State  
cy, or the Hazardous  
al Office for guidance.

ners of all sizes

Triple or pressure  
tying. Then offer for  
nd dispose of in a  
ved-by state and

ainers

ide only. Do not reuse  
er before final disposal  
. Cleaning before refilling  
fore final disposal, empty  
Pour or pump rinsate into  
hen offer for recycling or  
incineration, or other

# AQUACAR™ GA 30LT

## Water Treatment Microbiocide

A MICROBIOCIDAL FOR USE IN CONTROLLING BACTERIA INCLUDING SULFATE-REDUCING BACTERIA AND SLIME-FORMING BACTERIA 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; SUCH AS: STEAM-INJECTION WATER HOLDING 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..... 30.0%  
Inert Ingredients: ..... 70.0%  
100.0%

### KEEP OUT OF REACH OF CHILDREN DANGER

#### FIRST AID

**If swallowed:**

- Call CHEMTREC or a doctor immediately for treatment advice.
- DO NOT INDUCE VOMITING.
- Do not give anything to drink.

**If in eyes:**

- Wash immediately and continuously with flowing water for at least 30 minutes.
- Remove contact lenses after the first 5 minutes and continue washing.
- Obtain prompt medical consultation, preferably from an ophthalmologist.

**If on skin or clothing:**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call CHEMTREC or a doctor for treatment advice.

**If inhaled:**

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

**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

Produced for:



**The Dow Chemical Company**  
Midland, Michigan 48674 U.S.A.  
(989)636-4400

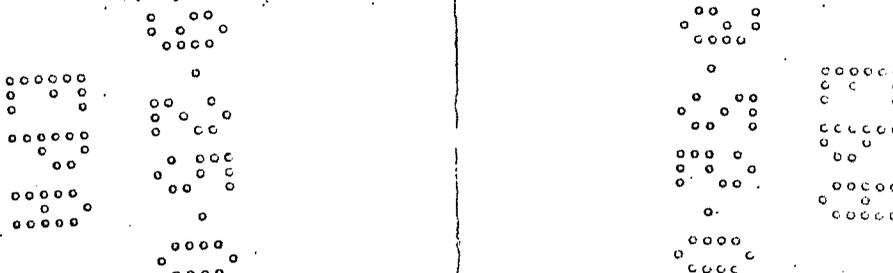
®TM Trademark of The Dow Chemical Company  
("Dow") or an affiliated company of Dow  
Made in U.S.A.

Net Contents: 55 gallons

EPA Reg. No. 464-714  
EPA Est. No. 464-WV-1  
(11/2/08)  
PE1208

CONTAINER SIZE 55 GALLONS	SHIPPING NAME	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (CONTAINS ACETONE, GLUTARALDEHYDE)	
448 lb NET WEIGHT	HAZARD CLASS 3.8	ID NUMBER UN 2924	PGII

IN CASE OF AN EMERGENCY endangering life or property involving this product,  
call collect, (989)636-4400.



\* CHANGES HIGHLIGHTED

It is a violation of Federal Law  
**WATER FLOODS**

AQUACAR GA 30LT Water Treatm  
uniform mixing.

Initial Treatment: When the sys  
30LT Water Treatment Microbio  
Treatment Microbiocide per 1,000  
Subsequent Dose: When microl  
Treatment Microbiocida (.033 to 8  
gallons flood water) to the system  
**FRAC FLUIDS**

AQUACAR GA 30LT Water Treatm  
fracturing fluids and gels used in c  
Microbiocide to the frac water stor  
is being pumped down-hole.

Dose Range: AQUACAR GA 30LT  
5000 ppm (0.9 - 44.3 gals per  
source water.

**DRILLING, COMPLETION,**  
AQUACAR GA 30LT Water Treatm  
uniform mixing such as the circulat  
GA 30LT Water Treatment Microbio  
Microbiocide per 100 barrels of  
contamination. Maintenance Dos  
Water Treatment Microbiocide by  
Microbiocide per 100 barrels  
contamination.

#### PACKER FLUIDS

AQUACAR GA 30LT Water Treatm  
uniform mixing such as a circulat  
Treatment Micro-biocide (0.38 to 4  
barrels of fluid) to a freshly prepar  
packer fluid in the wall between the  
**OIL AND GAS PRODUCTIC**  
AQUACAR GA 30LT Water Treat  
transmission line via direct injec  
distribution of AQUACAR GA 30LT  
surface by adding a sufficient amou  
end of the pipeline system. Criteri  
and/or reduced corrosion rates. To  
30LT Water Treatment Microbio  
concentration in the solvent shoul  
based on the volume of water in th  
to maintain control.

#### HYDROTESTING

Water used to hydrotest pipelines o  
Treatment Microbiocida (0.17 to 6  
1,000 gallons water), depending on  
**PIPELINE PIGGING AND SC**  
Add AQUACAR GA 30LT Water Tr  
scraper (ideally this water volume c  
trailing pig). Sufficient AQUACAR G  
concentration of 0.15 to 1.7% (0.15  
100 gallons water), depending on th

**LIMITED**  
Seller warrants that the pr  
on this label and is reason  
accordance with directions  
**MADE IN THIS PARAGR**  
**RESPECT TO THE PROI**  
**AND EXCLUDE ANY IMP**  
**OF FITNESS FOR A PAR**  
**OR IMPLIED REPRESENT**

**BEFORE USING THIS PI**  
**MATERIAL SAFETY DA**



33133-1

# GA 30LT

## t Microbiocide

...ING BACTERIA INCLUDING SULFATE-  
... BACTERIA IN OIL WELL DRILLING, OIL  
... IELD WATER SYSTEMS, OIL AND GAS  
... S AND SYSTEMS, AND GAS STORAGE  
... INJECTION WATER HOLDING TANKS,  
... TION WATER, HOLDING POND WATER,  
... TANKS, FUEL STORAGE TANKS AND  
... D, INDUSTRIAL RECIRCULATING WATER

..... 30.0%  
..... 70.0%  
..... 100.0%

### H OF CHILDREN ER ID

...tment advice.

...ater for at least 30 minutes.  
... continue washing.  
... n an ophthalmologist.

... 20 minutes.

... and then give artificial respiration,

... advice.  
... g damage. Probable mucosal damage

... ainer or label with you when calling a  
... nt.

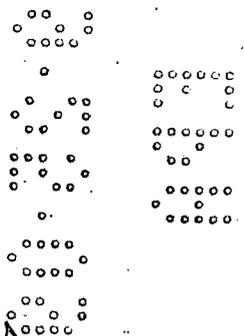
#### CAUTIONARY STATEMENTS

EPA Reg. No. 464-714  
EPA Est. No. 464-WV-1  
(I 12/08)  
PE1208

...BLE LIQUID, CORROSIVE, N.O.S.  
...S ACETONE, GLUTARALDEHYDE)

MBER 2924	PGII
--------------	------

...r property involving this product,



... FLIGHTED

#### DIRECTIONS FOR USE

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

#### WATER FLOODS

AQUCAR GA 30LT Water Treatment Microbiocide should be added to a water flood system at a point of uniform mixing.

**Initial Treatment:** When the system is noticeably contaminated, add 167 to 8,333 ppm AQUCAR GA 30LT Water Treatment Microbiocide to the system (0.17 to 8.4 gallons AQUCAR GA 30LT Water Treatment Microbiocide per 1,000 gallons flood water). Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, add 33 to 8,333 ppm AQUCAR GA 30LT Water Treatment Microbiocide (.033 to 8.4 gallons AQUCAR GA 30LT Water Treatment Microbiocide per 1,000 gallons flood water) to the system weekly, or as needed to maintain control.

#### FRAC FLUIDS

AQUCAR GA 30LT Water Treatment Microbiocide reduces bacterial contamination and degradation of fracturing fluids and gels used in oil and gas well stimulations. Add AQUCAR GA 30LT Water Treatment Microbiocide to the frac water storage tanks or directly into the well head injection pipeline as the water is being pumped down-hole.

**Dose Range:** AQUCAR GA 30LT Water Treatment Microbiocide should 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

AQUCAR GA 30LT Water Treatment Microbiocide should be added to a drilling fluid system at a point of uniform mixing such as the circulating mud tank. **Initial Treatment:** Add 90 to 1,665 ppm AQUCAR GA 30LT Water Treatment Microbiocide (0.38 to 7.1 gallons AQUCAR GA 30LT Water Treatment Microbiocide per 100 barrels of fluid) to a freshly prepared fluid depending on the severity of contamination. **Maintenance Dosage:** Maintain a concentration of 90 to 1,665 ppm AQUCAR GA 30LT Water Treatment Microbiocide by adding 0.38 to 7.1 gallons of AQUCAR GA 30LT Water Treatment Microbiocide per 100 barrels of additional fluid, or as needed, depending on the severity of contamination.

#### PACKER FLUIDS

AQUCAR GA 30LT Water Treatment Microbiocide should be added to a packer fluid at a point of uniform mixing such as a circulating holding tank. Add 90 to 1,005 ppm AQUCAR GA 30LT Water Treatment Microbiocide (0.38 to 4.3 gallons AQUCAR GA 30LT Water Treatment Microbiocide 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 PIPELINE SYSTEMS

AQUCAR GA 30LT Water Treatment Microbiocide should be added to an oil/gas production or transmission line via direct injection. The application should be conducted to ensure maximum distribution of AQUCAR GA 30LT Water Treatment Microbiocide throughout the entire internal pipeline surface by adding a 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 the AQUCAR GA 30LT Water Treatment Microbiocide with an appropriate solvent immediately before use. The concentration in the solvent should not fall below an active concentration range of 840 to 8340 ppm based on the volume of water in the pipeline. Injections to the system should be weekly, or as needed to maintain control.

#### HYDROTESTING

Water used to hydrotest pipelines or vessels should contain 165 to 6,660 ppm AQUCAR GA 30LT Water Treatment Microbiocide (0.17 to 6.7 gallons AQUCAR GA 30LT Water Treatment Microbiocide per 1,000 gallons water), depending on water quality and length of time the equipment will remain idle.

#### PIPELINE PIGGING AND SCRAPING OPERATIONS

Add AQUCAR GA 30LT Water Treatment Microbiocide 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 AQUCAR GA 30LT Water Treatment Microbiocide should be added to produce a concentration of 0.15 to 1.7% (0.15 to 1.7 gallons AQUCAR GA 30LT Water Treatment Microbiocide per 100 gallons water), depending on the length of the pipeline and the severity of biofouling.

**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 OF FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES.

**BEFORE USING THIS PRODUCT, SEE YOUR EMPLOYER AND READ THE MATERIAL SAFETY DATA SHEET.**



**NOTICE**  
Do Not Ship or Store with Food,  
Feeds, Drugs, or Clothing

33133-12/02/2008