

201-168

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SHELL CHEMICAL COMPANY  
A Division of Shell Oil Company  
Agricultural Division

San Ramon, California 94583



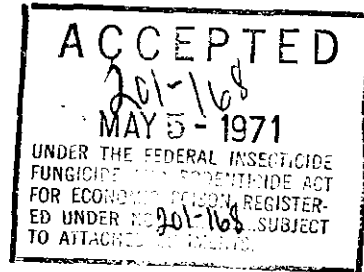
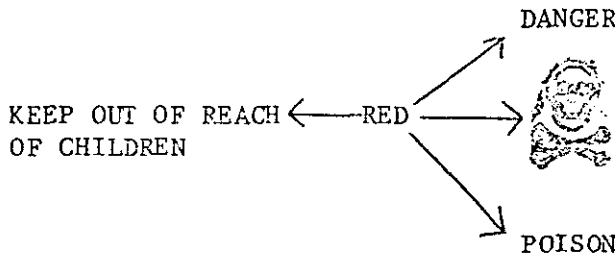
(FRONT PANEL)

AQUALIN(R) BIOCIDES  
(Acrolein Inhibited)  
CONTENTS UNDER PRESSURE

For Use in Oil Field Water Injection Recovery Systems

ACTIVE INGREDIENT	PERCENT BY WEIGHT
Acrolein	92
INERT INGREDIENTS	<u>8</u>
	TOTAL 100

USDA Reg. No. 201-168



•(LEFT PANEL)

PRECAUTIONS IN USING

DANGER

EXTREMELY FLAMMABLE AND IRRITATING VAPOR AND LIQUID. POISONOUS BY INHALATION, SKIN CONTACT OR SWALLOWING. DO NOT BREATHE VAPOR. DO NOT GET IN EYES, OR SKIN, OR ON CLOTHING. KEEP AWAY FROM FIRE, SPARKS, AND HEATED SURFACES.

Wear face shields or goggles during handling. Use with adequate ventilation. Keep available at all times, a gas mask of a type approved by the U. S. Bureau of Mines for organic vapor protection.

Clean application equipment with large amounts of water after using.

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AQUALIN(R) Biocide  
Agricultural Division  
Precautions in Using (Cont'd)

If spilled on clothing, gloves or shoes, remove them immediately and wash thoroughly before re-use.

DANGER: Acrolein, the active ingredient in AQUALIN Biocide, is highly reactive chemically and readily forms polymers. If alkalis (such as ammonia and caustic) or strong acids are brought in contact with the AQUALIN Biocide in a closed system, the Biocide can polymerize with sufficient violence to rupture the container. Do not apply with equipment used for acids and alkalis. Contamination of AQUALIN Biocide with any foreign matter must be avoided.

A supply of 10% sodium bisulfite solution should be readily available for neutralizing spilled AQUALIN. All spills should be confined and neutralized before disposal. (Note - Sodium bisulfite solutions are corrosive to steel and concrete). Running water should be readily available to wash down the area after neutralization.

Do not reuse empty container. Destroy it by perforating or crushing. Bury or discard in a safe place. If a pressurized cylinder - return cylinder to the manufacturer.

This product is toxic to fish and wildlife. Keep out of lakes, streams or ponds. Do not contaminate water by cleaning of equipment or disposal of waste. Apply this product only as specified on the label.

ANTIDOTE AND FIRST AID TREATMENT

CALL A PHYSICIAN IMMEDIATELY IN ALL CASES OF SUSPECTED POISONING

INTERNAL: If the material has been swallowed, induce vomiting immediately. This may be done by introducing a finger into the throat or by giving warm salt water (1 tablespoon of salt to a glass of water). Repeat until vomit fluid is clear. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Keep patient prone and quiet:

If inhaled, get victim into fresh air immediately and give artificial respiration if breathing has stopped.

EXTERNAL: If spilled on the skin, remove all contaminated clothing and wash skin with soap and running water. If the material gets into the eyes, wash immediately with running water for at least 15 minutes. For eyes get medical attention.

NOTE TO PHYSICIANS

WARNING SIGNS AND SYMPTOMS: Liquid Shell AQUALIN Biocide is absorbed by the skin and is particularly irritating to any lesion and to the eyes. The vapors act principally on the mucous membrane of the eyes and respiratory tract. Because of the extreme lachrymatory warning effect, the concentration tolerable by man is far below the minimum lethal concentration.

AQUALIN(R) Biocide  
Agricultural Division  
Note to Physicians (Cont'd)

TREATMENT: Treat exposed area as a chemical burn. Thoroughly flush the eyes with water and treat symptomatically. Persons exposed to Shell AQUALIN Biocide vapors have a delayed reaction and experience irritation of the respiratory tract. In severe cases, this may progress to pulmonary edema. Therefore, it is advisable to keep persons exposed to Shell AQUALIN Biocide under observation for 24 hours following exposure.

(RIGHT PANEL)

STORAGE OF AQUALIN TANKS

Full tanks of acrolein should be stored in a cool, shady, well-ventilated area which is protected from the weather and away from other chemicals. (No alkalis or oxidizing materials should be near).

The storage area preferably should be remotely located and should be of fireproof construction. An open shed type structure is suitable. All electrical equipment should be explosion proof and all equipment properly grounded.

GENERAL DIRECTIONS

Shell AQUALIN(R) Biocide is a water soluble material for the control of bacteria, fungi and algae in oil field water injection recovery systems. This material is to be sold only to applicators licensed by Shell Chemical Company and should only be applied in accordance with directions in Shell Bulletin ACD 65-154 under the supervision of the trained personnel of licensed applicators.

NOTICE OF WARRANTY

SHELL CHEMICAL COMPANY MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PURPOSE, OR OTHERWISE, EXPRESS OR IMPLIED concerning this product or its uses which extend beyond the use of the product under normal conditions in accord with the statements made on this label.

