

Union Carbide Corporation
P. O. Box 670
Bound Brook, NJ 08805

Attention: Joan E. Young

Gentlemen:

Subject: UCARCIDE 250 Preservative
EPA Registration Number 10352-38
Your Submission Dated July 18, 1994
EPA Received Date July 18, 1994

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), is acceptable provided that you comply with the items listed below. The subject for this amendment is to add "Directions for Use" for Reverse Osmosis Membrane, is acceptable.

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) and section 4 when the Agency requires all registrants of similar products to submit such data.
2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with 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.

234

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If you have any questions concerning this letter, please contact Karen M. Leavy at (703)-305-6966.

Sincerely yours,



Marshall Swindell
Acting Product Manager-31
Antimicrobial Program Branch
Registration Division(7505C)

394

See MSDS for exposure limits of components.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS

DANGER

KEEP OUT OF REACH OF CHILDREN

Corrosive. Causes irreversible eye damage. Causes skin burns. Harmful if inhaled. Harmful if swallowed. Harmful if absorbed through skin. May cause skin sensitization

Do not get in eyes, on skin, on clothing.
Avoid breathing vapor. Do not swallow.
Wear goggles, protective clothing, and rubber gloves.
Wash thoroughly with soap and water after handling.
Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

Glutaraldehyde is toxic to fish. Do not discharge effluent containing this active ingredient into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and addressed in an NPDES permit. 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

UCARCIDE® 250 Preservative 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. This product freezes at about -21° C (-6°F). 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 can be tolerated but the preferred maximum storage temperature is about 80°F.

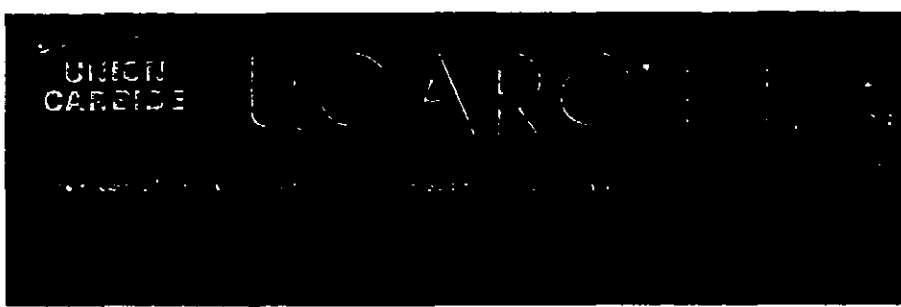
A stainless steel centrifugal pump is suggested for transfer service. Spiral wound stainless steel with TEFLON® is suitable for gaskets and packing.

ACCEPTED
with COMMENTS
EPA Letter #
AUG 1 1994

UCARCIDE® 250 Preservative
EPA Reg. No. 10352-38

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.
CONTAINER DISPOSAL: Metal Containers or Plastic Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or other procedures approved by state and local authorities. Do not cut or weld on or near metal containers. Plastic Containers: May be incinerated, if allowed by state and local authorities. If burned, stay out of smoke. Metal Containers: Must not be incinerated.



Active Ingredient: Glutaraldehyde _____ 50.0%
Inert Ingredients: _____ 50.0%
100.0%

KEEP OUT OF REACH OF CHILDREN
DANGER

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Get immediate medical attention.
IF ON SKIN: Immediately wash with plenty of soap and water. Get medical attention.
IF INHALED: Remove to fresh air. If breathing is difficult, administer oxygen. If symptoms persist, call a physician.
IF SWALLOWED: DO NOT INDUCE VOMITING. Do not give anything to drink. Seek medical advice immediately.
NOTE TO PHYSICIAN: Aspiration may cause lung damage. Probable mucosal damage may contraindicate use of gastric lavage.

UNION CARBIDE CHEMICALS AND PLASTICS COMPANY
SPECIALTY CHEMICALS DIVISION

39 Old Ridgebury Road • Danbury, CT 06817-0001
EPA Reg. No. 10352-38
UCARCIDE® is a registered trademark of Union Carbide
Net Wt. 500 lb. (226.8 kg)
EPA Est. No. UCC-L902

90290	CONTAINER SIZE 55 GALLONS	SHIPPING NAME CORROSIVE LIQUID, N.O.S. (CONTAINS GLUTARALDEHYDE)	HAZARD CLASS 8	ID NUMBER UN 1780	PG II
	PRODUCT CODE NET WEIGHT 500 POUNDS				

EMERGENCY CONTACT (24 HOURS PER DAY): IN USA 1-800-UCC-HELP (1-800-822-4357) OUTSIDE USA 01-304-744-3487

BEST AVAILABLE COPY

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components.

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CHILDREN

ns. Harmful if inhaled.
cause skin sensitization.

RDS

Active ingredient into lakes,
specifically identified and
product to sewer systems.
For guidance contact your State

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ly used materials of construction
can be stored and handled in
poly-plastic equipment. This
is inside or underground.
High temperatures should be
up to 100°F can be tolerated but

Should stainless steel with

EPICED

MENTS

1994

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SAL

Storage or disposal: Open dumping
pesticide, spray mixture or residue
use according to label instructions.
See Hazardous Waste

Multiple rinse (or equivalent). Then
secondary landfill, or other procedures
for plastic containers. Plastic
containers, if burned, stay out of smoke



Active Ingredient: Glutaraldehyde _____ 50.0%

Inert Ingredients: _____ 50.0%
100.0%

KEEP OUT OF REACH OF CHILDREN DANGER

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Get immediate medical attention.

IF ON SKIN: Immediately wash with plenty of soap and water. Get medical attention.

IF INHALED: Remove to fresh air. If breathing is difficult, administer oxygen. If symptoms persist, call a physician.

IF SWALLOWED: DO NOT INDUCE VOMITING. Do not give anything to drink. Seek medical advice with urgency.

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

UNION CARBIDE CHEMICALS AND PLASTICS COMPANY INC. SPECIALTY CHEMICALS DIVISION

39 Old Ridgebury Road • Danbury, CT 06817-0001

EPA Reg. No. 10352-38

UCARCIDE® is a registered trademark

of Union Carbide

Net Wt. 500 lb (226.8 kg)

EPA Est. No. 10352-WV-2

UCC-L90290 (C 07/94)

Made In USA

PE0794

90290 PRODUCT CODE	CONTAINER SIZE 55 GALLONS	SHIPPING NAME	CORROSIVE LIQUID, N.O.S. (CONTAINS GLUTARALDEHYDE)	
	500 POUNDS NET WEIGHT	HAZARD CLASS I	ID NUMBER UN 1780	PG II

EMERGENCY CONTACT (24 HOURS PER DAY): IN USA 1-800-UCC-HELP (1-800-822-4357)

OUTSIDE USA 01-304-744-3487

BEST AVAILABLE COPY

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner not

UCARCIDE® 250 Preservative is recommended for use in aqueous or
systems, including industrial, institutional and consumer in-can process
the growth of bacteria and fungi. For effective preservation add UCAR®
product formulation at a rate of 0.02% to 0.20% based on the water con-
t.) UCARCIDE® 250 Preservative/1000 lbs. water content). Mix unifor

REVERSE OSMOSIS MEMBRANES

For effective preservation of reverse osmosis elements (where approved
membrane manufacturer), immerse elements in a tank containing 0.2% UCARCIDE®
Preservative.

UCARCIDE® 250 Preservative can also be added to in-line recirculating
installed out-of-service reverse osmosis equipment (where approved
manufacturer). Add 0.2% to 2.0% UCARCIDE® 250 Preservative to the
system. Maintain UCARCIDE® 250 Preservative concentration by patch
system leakage.

PHYSICAL PROPERTIES

Specific Gravity at 20/20°C1.131	Solubility in W
Vapor Pressure at 20°C15 mm Hg	Solubility of W
Freezing Point-21°C	pH at 25°C

LIMITED WARRANTY AND DISC

The manufacturer warrants (a) that the product conforms to the chemical
this product is reasonably fit for the purposes set forth in the direction
accordance with such directions; and (c) that the directions, warnings and
are based upon responsible experts' evaluation of reasonable tests on
laboratory animals. Tests have not been made on all varieties or in all states.
MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT A
REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESS
EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTY
AND FITNESS FOR PARTICULAR PURPOSE. This warranty does not make
solely responsible for, any and all loss or damage which results from a
manner which is inconsistent with the label directions, warnings or cautions

BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S
ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING
HANDLING OF THIS PRODUCT, WHETHER OR NOT SUCH LIABILITY
NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE
MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAIR
PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH
IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR
CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING