

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460 NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION <i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</i>	EPA REGISTRATION NO. 53348-1	DATE OF ISSUANCE MAR 1 8 1986
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT UNICIDE T-135	
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)		
United Industrial Chemicals, Inc. 320 North Michigan Avenue Chicago, IL 60601		
NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.		
On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.		
A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.		
Registration is in no way to be construed as an endorsement or approval of this product by this 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 a 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) provided that you:		
1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.		
2. Make the labeling changes listed below before you release the product for shipment:		
a. Add the phrase "EPA Registration No. 53348-1."		
b. As per phone conversation with the Agency, the active ingredient percentage must be revised to read:		
78.4% (label and Bulletin).		
c. Correct the inert ingredient to read 21.6%		
<input type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL		DATE

d. Revise the Net Contents to read:

55 gallons

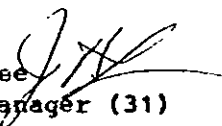
and delete the word:

Liquid.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

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.


John H. Lee
Product Manager (31)
Disinfectants Branch
Registration Division (TS-767C)

Enclosures



UNITED INDUSTRIAL CHEMICALS, INC.

370 N Michigan Avenue Chicago, Illinois 60601 (312) 263-1624

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAR 13 1986

DRAFT LABEL
LEFT PANEL

UNICIDE TZ-135

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

53348-1

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

C O R R O S I V E

Causes severe eye and skin damage. Do not get in eyes, skin or on clothing. Harmful or fatal if swallowed. Wear goggles or face shield and rubber gloves when handling. Avoid contamination of food. Remove and wash contaminated clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in a NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewer treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

UNICIDE TZ-135 is a liquid highly effective bactericide and fungicide for use in controlling the growth of bacteria and fungi in metalworking fluids, oil drilling fluids, oil well preparations, secondary and tertiary enhanced recovery operations.

STORAGE AND DISPOSAL

1. PROHIBITIONS

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

2. PESTICIDE DISPOSAL

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes can not 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.



**UNITED
INDUSTRIAL
CHEMICALS, INC.**

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DRAFT LABEL
LEFT PANEL
Cont'd...

UNICIDE TZ-135

3. CONTAINER DISPOSAL

- (a) Reseal container and offer for reconditioning, or
- (b) Metal containers; Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a landfill, or by other approved state and local procedure.

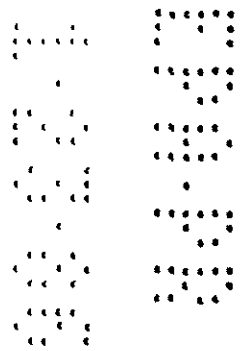
Plastic containers; Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a landfill, or incineration, or if allowed by state and local authorities, by burning. If burning, stay out of smoke.

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

53348-1



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320 N. Michigan Avenue Chicago, Illinois 60601 (312) 263-1624

DRAFT LABEL
CENTER PANEL

UNICIDE TZ-135

UNICIDE TZ - 135

ACTIVE INGREDIENT	78.5 %
Hexahydro-1,3,5,-tris(2-hydroxyethyl)-s-triazine	
INERT INGREDIENTS.....	21.5 %
TOTAL.....	100.0 %

78.4%
21.6%

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Call a physician immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

See Side Panel For Additional Precautionary Statements.

For Chemical Emergency
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC - Day or Night
1-800-424-9300

(LOGO)

Manufactured by:
UNITED INDUSTRIAL CHEMICALS, INC.
320 N. Michigan Avenue
Chicago, Illinois 60601
Phone: (312) 263-1624

E.P.A. Establishment No. 53348-IL-1
E.P.A. Registration No.
Net Content: Liquid

See Markings on Top of Drum for Net Weight

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320 N. Michigan Avenue Chicago, Illinois 60601 (312) 263-1624

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53348-1

DRAFT LABEL

UNICIDE TZ-135

RIGHT PANEL

DIRECTIONS FOR USE

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

METALWORKING FLUIDS

UNICIDE TZ-135 is designed for use as a preservative in emulsifiable or soluble cutting oils and synthetic chemical coolant formulations. It is readily incorporated into cutting oil formulations by addition to the concentrate or final use emulsion.

UNICIDE TZ-135 is a broad spectrum bactericide and fungicide for soluble cutting oils, semi-synthetic and synthetic type metalworking fluids, hydraulic fluids and chemical coolants.

UNICIDE TZ-135 is effective against aerobic, anaerobic and H2S producing microorganisms and the slime, fungi, corrosion, and odor they cause. Dosages to metalworking fluids will depend on composition of the fluid, design of recirculating system, and degree of contamination encountered during use.

Dosage to concentrate, or final use emulsion;

Add 6.4 to 19.2 fluid ounces of UNICIDE TZ-135 to each One (1) gallon of concentrate. The concentrate should then be diluted to 100 gallons minimum with water for the final use emulsion.

Or, add 6.4 to 19.2 fluid ounces of UNICIDE TZ-135 to each 100 gallons of the final use emulsion (500-1500 ppm).

Subsequent dosage to final use emulsion;

Each week, add 1.3 to 2.6 fluid ounces of UNICIDE TZ-135 to each 100 gallons of final use emulsion in the recirculating system (100-200 ppm).

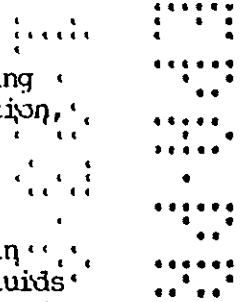
This dosage may be repeated once each week, to control microbial growth in the recirculating system, or as needed.

OIL WELL DRILLING AND OIL FIELD PROCESSING FLUIDS

UNICIDE TZ-135 is a highly effective microbiocide for use in controlling growth of bacteria and fungi encountered in oil well drilling, completion, production, stimulation and enhanced recovery operations.

DRILLING MUDS

UNICIDE TZ-135 is useful in controlling growth of bacteria and fungi in water based drilling fluids. It is particularly useful in drilling fluids containing cellulose derivatives, starches, polysaccharide gums, and water soluble synthetic polymers. The uncontrolled growth of slime-forming and spoilage bacteria can cause increased corrosion, undesirable odors, and degradation of the drilling fluid, especially fluid loss properties.



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**UNITED
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with **COMMENTS**
in EPA Letter Dated:

320 N Michigan Avenue Chicago, Illinois 60601 (312)263-1624

MAR 13 1986

DRAFT LABEL
RIGHT PANEL
Cont'd....

UNICIDE TZ-135

Under the Federal Insecticide,
Fungicide and Rodenticide Act
and the pesticide
label must EPA Reg. No.

53348-1

UNICIDE TZ-135 is used at a rate of 6.3 to 8.4 gallons per 4200 gallons (100 barrels) of drilling fluid in the circulating fluid system. (1500-2000 ppm). It can be used directly from the shipping container or pre-diluted with water. It can be put through the mud hopper or added to the pump suction while the system is circulating.

WORKOVER FLUIDS

Determine the total volume of the workover fluid system. Add 8.4 gallons of UNICIDE TZ-135 per each 4200 gallons (100 barrels) of workover fluid in the circulating system. (2000 ppm). UNICIDE TZ-135 can be fed directly into the workover fluid from the shipping container. It should be thoroughly mixed into the fluid for effective microorganism control.

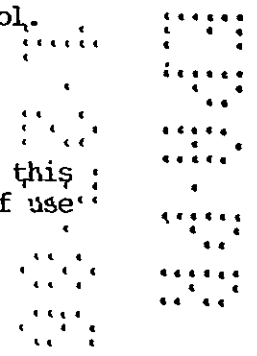
OIL WELL WATER FLOODS

Determine the total volume of water flood system.
Initial Dose: UNICIDE TZ-135 is used at a rate of 4.2 to 6.3 gallons per each 4200 gallons (100 barrels) of total volume of the water flood system. (1000-1500 ppm).
UNICIDE TZ-135 may be fed directly into the water flood system from the shipping container or diluted with water for injection.
Subsequent Dose: Each week, add 0.24 to 1.0 gallons of UNICIDE TZ-135 per each 4200 gallons (100 barrels) of total volume in the system. (50-200 ppm). This may be repeated each week to control microbial growth in the system or as needed.

ENHANCED OIL RECOVERY FLUIDS

UNICIDE TZ-135 is a highly effective microbiocide for use in controlling growth of bacteria and fungi encountered with enhanced recovery fluids containing polysaccharide gums, cellulose derivatives and water soluble synthetic polymers.
UNICIDE TZ-135 can be fed directly from the shipping container or be diluted with salt or fresh water. It should be mixed thoroughly into the tertiary recovery fluid system for effective microorganism control.
Add 2.1 to 4.2 gallons of UNICIDE TZ-135 per each 4200 gallons (100 barrels) of fluid. (500-1000 ppm).

Seller make no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material, when such use and/or handling is contrary to label instructions.



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ACCEPTED
with COMMENTS
In EPA Letter Dated:



320 N. Michigan Avenue Chicago, Illinois 60601 (312) 263-1624

MAR 13 1986

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

DRAFT TECHNICAL BULLETIN

UNICIDE TZ-135

UNICIDE TZ-135

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E.P.A. Registration No.

Page 1 of 5.

UNICIDE TZ-135 is a highly effective bactericide and fungicide for use in controlling the growth of bacteria and fungi in metalworking fluids and coolants, and in oil well drilling fluids and oil field processing fluids.

COMPOSITION

ACTIVE INGREDIENT:	
Hexahydro, 1,3,5,-tris(2-hydroxyethyl)-s-triazine...	78.5 %
INERT INGREDIENTS:.....	21.5 %
TOTAL:.....	100.0 %

78.4%
21.6%

PRECAUTIONARY STATEMENTS

DANGER

HAZARD TO HUMANS & DOMESTIC ANIMALS

KEEP OUT OF REACH OF CHILDREN

CORROSIVE

Causes severe eye and skin damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food and feedstuff.

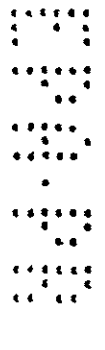
STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse. If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. CALL A PHYSICIAN IMMEDIATELY!

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in a NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewerage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.





**UNITED
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320 N. Michigan Avenue Chicago, Illinois 60601 (312) 263-1624

DRAFT TECHNICAL BULLETIN

UNICIDE TZ-135

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STORAGE AND DISPOSAL

PROHIBITIONS

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE DISPOSAL

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes can not be disposed of by use according to the label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

- (a) Reseal container and offer for reconditioning, or
- (b) Metal containers; Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a landfill, or by other approved state and local procedures.

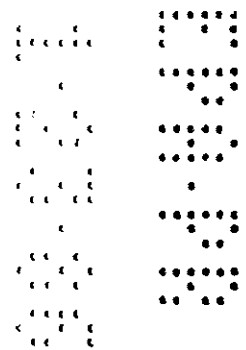
Plastic containers; Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAR 13 1986

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

53348-1



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UNITED INDUSTRIAL CHEMICALS, INC.

320 N Michigan Avenue Chicago, Illinois 60601 (312) 263-1624

DRAFT TECHNICAL BULLETIN

UNICIDE TZ-135

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UNICIDE TZ-135

78.5 490

TYPICAL PROPERTIES

Percent Active	78.5 % Minimum
Appearance	Clear, yellow to amber liquid
Specific Gravity	1.16
Density	9.62 Lbs/Gallon
Odor	Light Amine
Freezing Point	-28°C (-18°F)
pH (as is)	10.4 - 10.8
Solubility	Miscible in soft and hard water (400 ppm CaCO ₃) in all proportions. Miscible with alcohol and acetone in all proportions. Insoluble in ether, benzene, petroleum, and chloroform.

ACCEPTED with COMMENTS in EPA Letter Data

MAR 13 1986

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, this pesticide registered under EPA Reg. No. 53348-1

APPLICATIONS:

METALWORKING FLUIDS

UNICIDE TZ-135 is designed for use as a preservative in emulsifiable or soluble cutting oils and synthetic chemical coolant formulations. It is readily incorporated into cutting oil formulations by addition to the concentrate or final use emulsion.

UNICIDE TZ-135 is a broad spectrum bactericide and fungicide for soluble cutting oils, semi-synthetic and synthetic type metalworking fluids, hydraulic fluids and chemical coolants.

UNICIDE TZ-135 is effective against aerobic, anaerobic and H₂S producing microorganisms and the slime, fungi, corrosion, and odor they cause. Dosages to metalworking fluids will depend on composition of the fluid, design of recirculating system, and degree of contamination encountered during use.

Dosage to concentrate, or final use emulsion;

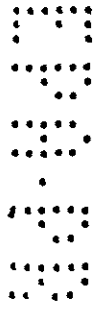
Add 6.4 to 19.2 fluid ounces of UNICIDE TZ-135 to each One (1) gallon of concentrate. The concentrate should then be diluted to 100 gallons minimum with water for the final use emulsion.

Or, add 6.4 to 19.2 fluid ounces of UNICIDE TZ-135 to each 100 gallons of the final use emulsion (500-1500 ppm).

Subsequent dosage to final use emulsion;

Each week, add 1.3 to 2.6 fluid ounces of UNICIDE TZ-135 to each 100 gallons of final use emulsion in the recirculating system (100-200 ppm).

This dosage may be repeated once each week, to control microbial growth in the recirculating system, or as needed.





**UNITED
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CHEMICALS, INC.**

320 N. Michigan Avenue Chicago, Illinois 60601 (312) 263-1624

11/12
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in EPA Letter Dated:

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DRAFT TECHNICAL BULLETIN

UNICIDE TZ-135

Under the Federal Insecticide,
Fungicide and Rodenticide Act
as amended by the pesticide
reauthorization act, the pesticide
registered under EPA Reg. No.

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OIL WELL DRILLING
AND
OIL FIELD PROCESSING FLUIDS

UNICIDE TZ-135 is a highly effective microbiocide for use in controlling bacteria and fungi encountered in oil well drilling, completion, stimulation, production, and enhanced recovery.

UNICIDE TZ-135 is effective against thermophilic, mesophilic, anaerobic and aerobic microorganisms and the corrosion, slimes, fouling, and odors they cause.

DRILLING MUDS

UNICIDE TZ-135 is useful in controlling growth of bacteria and fungi in water based drilling fluids. It is particularly useful in drilling fluids containing cellulose derivatives, starches, polysaccharide gums, and water soluble synthetic polymers. The uncontrolled growth of slime-forming and spoilage bacteria can cause increased corrosion, undesirable odors, and degradation of the drilling fluid, especially fluid loss properties.

UNICIDE TZ-135 is used at a rate of 6.3 to 8.4 gallons per 4200 gallons (100 barrels) of drilling fluid in the circulating fluid system. (1500-2000 ppm). It can be used directly from the shipping container or pre-diluted with water. It can be put through the mud hopper or added to the pump suction while the system is circulating.

As the depth increases (increasing the total volume of the system) add additional microbiocide to maintain the proper concentration.

WORKOVER FLUIDS

Determine the total volume of the workover fluid system. Add 8.4 gallons of UNICIDE TZ-135 per each 4200 gallons (100 barrels) of workover fluid in the circulating system. (2000 ppm).

UNICIDE TZ-135 can be fed directly into the workover fluid from the shipping container. It should be thoroughly mixed into the fluid for effective microorganism control.

Circulate the workover fluid system, until the fluid returns clear.

Shut the system down for several hours.

Remove the workover fluid. The well should be ready for productive use.



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DRAFT TECHNICAL BULLETIN

UNICIDE TZ-135

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OIL WELL WATER FLOODS

Determine the total volume of water flood system.

Initial Dose: UNICIDE TZ-135 is used at a rate of 4.2 to 6.3 gallons per each 4200 gallons (100 barrels) of total volume of the water flood system. (1000-1500 ppm).

UNICIDE TZ-135 may be fed directly into the water flood system from the shipping container or diluted with water for injection.

Subsequent Dose: Each week, add 0.24 to 1.0 gallons of UNICIDE TZ-135 per each 4200 gallons (100 barrels) of total volume in the system. (50-200 ppm). This may be repeated each week to control microbial growth in the system or as needed.

ENHANCED OIL RECOVERY FLUIDS

UNICIDE TZ-135 is a highly effective microbiocide for use in controlling growth of bacteria and fungi encountered with enhanced recovery fluids containing polysaccharide gums, cellulose derivatives and water soluble synthetic polymers.

UNICIDE TZ-135 can be fed directly from the shipping container or be diluted with salt or fresh water. It should be mixed thoroughly into the tertiary recovery fluid system for effective microorganism control. Add 2.1 to 4.2 gallons of UNICIDE TZ-135 per each 4200 gallons (100 barrels) of fluid. (500-1000 ppm).

Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

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