

PM 33

48301-11

6/28/97

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US ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (75-767)  
WASHINGTON, DC 20460

EPA REGISTRATION NO. 48301-11
TERM OF ISSUANCE
NAME OF PESTICIDE PRODUCT Tris-Nitro 50%

NOTICE OF PESTICIDE:  REGISTRATION  
 REREGISTRATION  
(Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Agus Chemical Company  
1500 East Lake Cook Road  
Buffalo Grove, IL 60080

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 indorsement 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 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.

Based on your response to the Tris Nitro Reregistration Eligibility Document, EPA has reregistered the above named product subject to the comments recorded in the succeeding paragraph. This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product. Make the following labeling changes before you release the product for shipment:

- a. Add the phrase " EPA Registration No. 48301-11."
- b. Include the appropriate EPA Establishment No.
- c. Place the recommended precautionary language to the product labeling:
  - A. The recommended signal word is "Caution."

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL  
*T. Swinard* PM 33/RMBI/AD

DATE JUN 28 1997

B. The following precautionary statements should appear on your product labeling:

"Harmful if swallowed or absorbed through the skin or inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse."

**IF SWALLOWED:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention.

**IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**IF IN EYES:** Flush eyes with plenty of water. Call a physician if irritation persists.

A stamped copy of the labeling is enclosed for your records.

Submit one copy of final printed labeling before releasing the product in channels of trade with the revised labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Sincerely,



Marshall Swindell  
Acting Product Manager (33)  
Regulatory Management Branch I  
Antimicrobial Division (7510W)

# TRIS NITRO<sup>®</sup>

BRAND OF 50% AQUEOUS TRIS(HYDROXYMETHYL)NITROMETHANE  
INDUSTRIAL BACTERIOSTAT

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ACTIVE INGREDIENT:	
2-Hydroxymethyl-2-nitro-1,3-propanediol .....	51.5%
INERT INGREDIENTS: .....	48.5%
	TOTAL 100%

## PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS.  
KEEP OUT OF REACH OF CHILDREN.**

### CAUTION

**HARMFUL IF SWALLOWED. WASH THOROUGHLY WITH SOAP  
AND WATER AFTER HANDLING AND BEFORE EATING  
OR SMOKING.**

**HARMFUL IF INHALED. AVOID BREATHING SPRAY MIST.  
REMOVE CONTAMINATED CLOTHING AND WASH BEFORE  
REUSE.**

## STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

**IF IN EYES:** Flush with plenty of water. Call a physician.

**IF ON SKIN:** Wash thoroughly with soap and water.

**IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration and get medical attention.

ANGUS Chemical Company assumes no responsibility when this product is not used in accordance with the instructions and information contained on this label.

## ENVIRONMENTAL HAZARDS

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 DISPOSAL

**STORAGE:** Freezes at 60° F.

Store in a warm place.

TRIS NITRO decomposes in the presence of alkaline materials. Protect from vapors of ammonia and amines during handling and storage to prevent deterioration and release of formaldehyde.

**PESTICIDE DISPOSAL:** Do not contaminate water, food, or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). 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.

See Additional Precautionary Statements on Side Panel and in Technical Bulletin.

E.P.A. Reg. No. 48301-11

A-57F

E.P.A. Est. No. 48301-LA-1

Printed in U.S.A.

# ANGUS<sup>®</sup>

ANGUS Chemical Company  
1500 E. Lake Cook Road  
Buffalo Grove, IL 60080  
Made in the U.S.A.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:  
JUN 28 1997

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

48301-11

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## DIRECTIONS FOR USE

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

### USE IN PAINTS, EMULSIONS, AND THICKENER SOLUTIONS

TRIS NITRO is effective as a preservative in water-containing systems, such as latex paints, resin emulsions, and thickener solutions at a concentration of 0.2 to 1.0 lb per 100 lb total formulation weight. TRIS NITRO may be added at any point in the manufacturing cycle. The recommended rate for preservation of a latex paint is 0.2 to 0.4 lb per 100 lb of the formulation. The recommended rate for preservation of resin emulsions and thickener solutions is approximately 0.4 lb per 100 lb of the formulation.

### USE IN METALWORKING FLUIDS

In Diluted Fluids: A concentration of 1000 to 2000 ppm of active TRIS NITRO in the fluid is sufficient to control gross bacterial growth. Add 1-2 quarts of 50% aqueous TRIS NITRO per each 100 gallons of fluid.

Maintenance Dosage: Add 250 to 500 ppm of active TRIS NITRO weekly as required to maintain control of the system. The addition of 0.25 quart of 50% aqueous TRIS NITRO to each 100 gallons of fluid will provide a 250 ppm concentration.

In Concentrates: TRIS NITRO may be incorporated by the manufacturer in metalworking fluid concentrate. The higher levels required in such concentrates will be stable as long as the pH is maintained in the range of 6 to 8. Above such pH levels rapid deterioration of TRIS NITRO may result in the release of noticeable levels of formaldehyde. Long-term stability tests should be carried out by the manufacturer on his specific formulation to ensure that the concentrate does not contain ingredients incompatible with TRIS NITRO stability. The amount to be incorporated will depend on the dilution factor recommended to be used when the concentrate is diluted for use. For efficient bacteriostatic activity, a concentration of 1000 to 2000 ppm of active TRIS NITRO in the diluted fluid is suggested.

### USE IN RECIRCULATING WATER SYSTEMS

For control of bacteria in cooling towers, evaporative condensers, and closed recirculating water systems such as retort, rotary or hydrostatic heat sterilization processes used in the food industry. Treat the system with 5-1000 ppm of active TRIS NITRO.

Initial dose: When the system is noticeably fouled, add 6 oz.-1 gallon of 50% aqueous TRIS NITRO per 1000 gallons of water in the system. Repeat until control is achieved. Badly fouled systems must be cleaned before initial treatment.

Subsequent dose: Add 2 oz.-1 quart of 50% aqueous TRIS NITRO per 1000 gallons of water in the system as needed to maintain control.

TRIS NITRO should be added at a convenient point which will provide uniform mixing..

### USE IN OILFIELD WATER SYSTEMS

For controlling aerobic slime-forming bacteria (*Pseudomonas sp.*) and anaerobic sulfate-reducing bacteria (*Desulfotribrio desulfuricans*) in oilfield water systems, such as subsurface injection water, add 500-1000 ppm active TRIS NITRO depending on the severity of the contamination. Additions should be made with a metering pump at the free-water knockouts before or after injection pumps and injection well headers.

Continuous-feed method: If the system is noticeably fouled, add 500-1000 ppm active TRIS NITRO (80-160 gallons of 50% aqueous TRIS NITRO per 2000 barrels of water) continuously until the desired degree of control is achieved. Subsequently, treat with 500 ppm active TRIS NITRO (80 gallons of 50% aqueous TRIS NITRO per 2000 barrels of water) continuously as needed to maintain control.

Intermittent or slug method: If the system is noticeably fouled, or to maintain control of the system, add 500-1000 ppm active TRIS NITRO (80-160 gallons of 50% aqueous TRIS NITRO per 2000 barrels of water) intermittently for 2-8 hours per day on from 1-4 days per week, depending on the severity of contamination.

### USE AS A PRESERVATIVE FOR PACKAGED EMULSIONS, SOLUTIONS, OR SUSPENSIONS SUCH AS DETERGENTS AND POLISHES CONTAINING WATER. — Not for use in California.

For control of bacterial contamination add 500-1000 ppm of active TRIS NITRO (1-2 gallons of 50% aqueous TRIS NITRO) per 1000 gallons of formulation.

### USE IN DRILLING MUDS

For control of sulfate-reducing bacteria in water-based drilling muds, add 0.5 quart-1 gallon of 50% aqueous TRIS NITRO to 1000 gallons of drilling mud.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:  
JUN 28 1997

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Fungicide, and Rodenticide Act as  
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