

<p align="center">U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (811-417) WASHINGTON, D.C. 20460</p> <p>NOTICE OF PESTICIDE: REGISTRATION REREГИSTRATION <i>Under the Federal Insecticide, Fungicide and Rodenticide Act, as amended.</i></p>	EPA REGISTRATION NO.	DATE OF ISSUANCE 10 MAR 1983
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT	
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)		
<p>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.</p> <p>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.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>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.</p>		
<input type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL		DATE

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

ACTIVE INGREDIENT:		
2 Hydroxymethyl-2-nitro-1,3 propanediol	50%	
INERT INGREDIENTS	50%	
		100%

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS

KEEP OUT OF REACH OF CHILDREN

CAUTION!

AVOID CONTACT WITH EYES
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

This pesticide is toxic to fish. Do not apply in marine and/or estuarine oil fields. Do not discharge into lakes, streams, ponds, or public waters unless in accordance with a NPDES permit. For guidance, contact your Regional Office of the Environmental Protection Agency. Do not contaminate waters by cleaning of equipment or disposal of wastes.

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.
DISPOSAL: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Pesticide or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides. Triple rinse (or equivalent) all containers. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other approved state and local procedures.

See Additional Precautionary Statements on Side Panel and in Technical Bulletin

EPA Reg No 48301 11

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Printed in U.S.A.

ANGUS™

ANGUS Chemical Company
2211 Sanders Road
Northbrook, IL 60062

DIRECTIONS FOR USE

Federal law prohibits use of this pesticide in certain areas.
USE IN METALWORKING: For control of bacteria in Diluted Fluids: A concentration of 100 ppm TRIS NITRO per each 100 gallons of fluid. Maintenance Dosage: Add 250 ppm TRIS NITRO to each 100 gallons of fluid. In Concentrates: TRIS NITRO maintains effectiveness as long as the pH is maintained in the range of 7.0 to 10.0. Long term stability tests show that TRIS NITRO stability is maintained with TRIS NITRO stability. The bacteriostatic activity is maintained.

USE IN INDUSTRIAL WATER

For control of bacteria in industrial water. Initial dose: When the system is clean, add 100 ppm TRIS NITRO. Badly fouled systems must be cleaned before use. Subsequent dose: Add 0.25 to 1 qt TRIS NITRO per 1000 gallons of water.

USE IN OILFIELD WATER

For controlling aerobic bacteria (e.g., *Desulfuricans*) in oilfield water. The severity of the contamination determines the injection pumps and injection rates. Continuous feed method: If the system is continuously fouled, add TRIS NITRO continuously to the injection water. Intermittent or slug method: If the system is not continuously fouled, add TRIS NITRO per 2000 barrels of water.

USE AS A PRESERVATIVE AND POLISHES CONTROLLER

For control of bacterial growth in 100 gallons of formulation.

USE IN DRILLING MUD

For control of sulfate-reducing bacteria in 100 gallons of drilling mud.

USE IN PULP AND PAPER

Do not use this product for control of bacterial growth in pulp or paper (dry or wet) to prevent contamination. It should be used in conjunction with fiber and water, such as in the case of heavily fouled systems should be used on a basis as needed for control. Moderately fouled systems should be used on a basis as needed for control. Slightly fouled systems should be used on a basis as needed for control.

ETHYL)NITROMETHANE

50%
50%
100%

DS

Do not apply in marine and/or discharge into lakes, streams, ponds, in accordance with a NPDES permit. For National Office of the Environmental Protection Agency, contact the Regional Office to contaminate waters by cleaning of sites.

SAL

In the presence of alkaline materials. Protect eyes during handling and storage to prevent injury. Do not use or chemically react with formaldehyde. Do not use in landfills approved for pesticides. Triple rinse containers before recycling or reconditioning, or before landfill or by other approved state and local methods.

See Side Panel and in Technical Bulletin

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2211 Sanders Road
Northbrook, IL 60062

DIRECTIONS FOR USE

Federal law prohibits use of this product in a manner inconsistent with its labeling.

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 in a 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 INDUSTRIAL RECIRCULATING WATER SYSTEMS

For control of bacteria in industrial cooling towers and evaporative condensers, treat the system with 500-1000 ppm of active TRIS NITRO.

Initial dose: When the system is noticeably fouled, add 0.5-1 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 0.25-1 quart of 50% aqueous TRIS NITRO per 1000 gallons of water in the system as needed to maintain control.

USE IN OILFIELD WATER SYSTEMS

For controlling aerobic slime-forming bacteria (*Pseudomonas* sp.) and anaerobic sulfate-reducing bacteria (*Desulfotomaculum*) 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, 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

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.

USE IN PULP AND PAPERMILL PROCESS WATER SYSTEMS

Do not use this product in any process which makes paper or paperboard that will come into contact with food or feed. For control of bacterial growth in pulp, paper, and paperboard mills, add 50% aqueous TRIS NITRO at the rate of 0.25-1.0 gallon per ton of pulp or paper (dry basis). Addition may be continuous or intermittent, depending upon the type of system and the severity of contamination. It should be made with a metering pump at a location that will insure uniform distribution of TRIS NITRO in the mass of fiber and water, such as at the beaters, jordan inlet or discharge, broke chests, furnish chests, save-alls and white-water tanks.

Heavily fouled systems should be boiled out, then treat with 1 gallon 50% aqueous TRIS NITRO per ton of paper (dry basis) as necessary for control. Moderately fouled systems should be treated continuously with 0.25-1.0 gallon 50% aqueous TRIS NITRO per ton of paper (dry basis) on a continuous or intermittent basis as needed for control.

Slightly fouled systems should be treated continuously with 0.25 gallon 50% aqueous TRIS NITRO per ton of paper (dry basis) until control is achieved.

APPROVED
4/8/81