TRIS NITRO™ SOLID

INDUSTRIAL BACTERIOSTAT

Active Ingredients:

2-Hydroxymethyl-2-nitro-1,3-propanediol	97.0%
Inert Ingredient(s):	3.0%
Total	100.0%

E.P.A. Registration No. 464-679
E.P.A. Est. 66453-OR-001

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

HARMFUL IF SWALLOWED. CAUSES MODERATE EYE IRRITATION. Avoid contact with eyes, or clothing. Wash hands before eating, drinking, using tobacco, or using the toilet.

ENVIRONMENTAL HAZARDS

[redacted] 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.

DOW *

THE DOW CHEMICAL COMPANY
Midland, Michigan 48674 U.S.A.
1-800-258-CHEM

* Trademark of THE DOW CHEMICAL COMPANY

77078-00144694-10/25/2001-1808 Active

FIRST AID:

If in eyes: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

If swallowed: Call a poison control center or doctor immediately or treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center.

If on skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment.

If inhaled: Move person to fresh air. If person is not breathing, Call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth, if possible. Call a poison control center or doctor for further treatment.

IN CASE OF AN EMERGENCY endangering life or property involving this product, call collect **989-636-4400.**

STORAGE AND DISPOSAL

STORAGE: TRIS NITRO SOLID 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 any 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.

DIRECTIONS FOR USE

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

PRODUCT INCORPORATION

Addition of TRIS NITRO SOLID to each system is best accomplished by adding TRIS NITRO SOLID to any water to be incorporated into the formulation.

USE IN PAINTS, EMULSIONS, AND THICKENER SOLUTIONS

TRIS NITRO SOLID is effective as a preservative in water-coating systems, such as latex paints, resin emulsions, and thickener solutions at a concentration of 0.2 to 1.0 lb per 100 gallons total formulation weight. The recommended rate for preservation of a latex paint is 0.2 to 0.4 lb per 100 gallons of the formulation. The recommended rate for preservation of resin emulsions and thickener solutions is approximately 0.4 lb per 100 gallons 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 1.27-2.54 lb TRIS NITRO SOLID 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 0.32 lb TRIS NITRO SOLID to each 100 gallons of fluid will provide a 250 ppm concentration.

In Concentrates: TRIS NITRO SOLID 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 SOLID 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 SOLID 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 5-1000 ppm of active TRIS NITRO.

Initial dose: When the system is noticeably fouled, add 4oz-5.08 lb TRIS NITRO SOLID 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 1.3 oz-1.27 lb TRIS NITRO SOLID 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 (Desulfovibrio desulfuricans) in oilfield water systems, such as subsurface injection water, add 500-1000 ppm active TRIS NITRO depending on the severity of 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 (406-812 lb TRIS NITRO SOLID per 2000 barrels of water) continuously until the desired degree of control is achieved. Subsequently, treat with 500 ppm active TRIS NITRO (406 lbTRIS NITRO SOLID 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 (406-812 lb TRIS NITRO SOLID 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 (5.08-10.16 lb TRIS NITRO SOLID) per 1000 gallons of formulation.

USE IN DRILLING MUDS

For control of sulfate-reducing bacteria in water-based drilling muds, add 0.64-5.08 lb TRIS NITRO SOLID to 1000 gallons of drilling mud.

USE IN PULP AND PAPERMILL PROCESS WATER SYSTEMS - Not for use in California.

Do not use this product in any process which makes paper or paperboard that will come in contact with food or feed.

For control of bacterial growth in pulp, paper, and paperboard mills, add TRIS NITRO SOLID at the rate of 1.27-5.08 lb 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 SOLID 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 5.08 TRIS NITRO SOLID per ton of paper (dry basis) as necessary for control.

Moderately fouled systems should be treated continuously with 1.27-5.08 lb TRIS NITRO SOLID per ton of paper (dry basis) on a continuous or intermittent basis as needed for control.

Slightly fouled systems should be treated continuously with 1.27 lb TRIS NITRO SOLID per ton of paper (dry basis) until control is achieved.

ACCEPTED

AUG 09 2002

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 464-679

464-679 8-9-2002