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 Customer Service Tel No. 1-800-777-1875
 For incidents only (spill, leak, fire, exposure, or accident), call CHEMTREC at 1-800-424-9300 (inside North America) or 1-703-741-5970 (outside North America) [CCN 864796]



DANTOGARD™ 2000 PRESERVATIVE

2019.02.05

PRESERVING YOUR CONFIDENCE IN THE NEW MILLENNIUM

Contents: Liquid

KEEP OUT OF REACH OF CHILDREN CAUTION

Active Ingredients:

1,3-Bis(hydroxymethyl)-5,5-dimethylhydantoin.....	33.2%
Hydroxymethyl-5,5-dimethylhydantoin.....	31.5%
Other Ingredients.....	35.3%
TOTAL.....	100.00%

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION: Causes moderate eye irritation. Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing vapors or spray mist. Avoid contact with skin, eyes or clothing. Wear safety goggles or faceshield and chemical resistant gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove contaminated clothing and wash clothing before reuse.

FIRST AID
IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes.
IF SWALLOWED: Call a Poison Control Center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
IF INHALED: Move person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration preferably by mouth to mouth if possible. Call a poison control center or doctor for further treatment advice.
 Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

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.

EPA Reg No. 6836-322

DIRECTIONS FOR USE
 It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **DANTOGARD 2000 PRESERVATIVE** preserves and aids in the control of the growth of bacteria and fungi in liquid detergents, soft soaps, water-based paints for household and Industrial use, room deodorizers and air fresheners, water-based surfactants, polymer emulsions, protective or decorative coatings, water-based gels for household and Industrial products, textiles, water-based inks, and non-food contact water-based adhesives and latex for paper coatings.
DANTOGARD 2000 PRESERVATIVE preserves and aids in the control of the growth of bacteria in oil field applications including well bore cleaning products, drilling fluid additives, drilling muds, hydraulic fluids, workover, completion, fracturing and packer fluids, hydrotesting, water flooding, storage wells and systems, oil and gas production and transmission pipelines and systems and pipeline pigging and scraping operations.

Industrial and Household Applications
 Add **DANTOGARD 2000 PRESERVATIVE** to the formulation to be preserved at the rate of 2.3 to 9.4 lbs. per 1000 lbs. or 2300 to 9400 ppm based upon the total weight of the formulation to be protected. If the above articles have been treated with **DANTOGARD 2000 PRESERVATIVE**, do not use them as components in materials used in food packaging and food-holding. **DANTOGARD 2000 PRESERVATIVE** may be used in metalworking fluids¹ to prevent microbial growth at concentrations of 0.05 – 0.31% in the diluted metalworking fluid. Levels of **DANTOGARD 2000 PRESERVATIVE** must be checked periodically since many cutting oils are unstable upon standing. Workers must take precautions to minimize inhalation exposure to metalworking fluid mists. OSHA limits for oil mist: Time Weighted Average (TWA = 5 mg/m3); Short Term Exposure Limit (STEL = 10 mg/m3). Formulators: Add **DANTOGARD 2000 PRESERVATIVE** to the metalworking fluid concentrate to achieve 0.05 – 0.31% in the diluted metalworking fluid.

Well Bore Cleaning Products, Hydraulic Fluids, Drilling Fluid Additives
 Add 100 - 5,000 ppm **DANTOGARD 2000 PRESERVATIVE** (0.35 to 17.7 gallons **DANTOGARD 2000 PRESERVATIVE** per 100 barrels of fluid) to the formulation to be preserved.

Hydrotesting¹
 Water used to hydrotest pipelines or vessels must contain 120 – 7,000 ppm **DANTOGARD 2000 PRESERVATIVE** (0.10 to 5.9 gallons **DANTOGARD 2000 PRESERVATIVE** per 1,000 gallons flood water) depending on water quality and length of time equipment will be idle.

Gas Storage Wells and Systems¹
 Individual injection wells must be treated with 120 – 7,000 ppm **DANTOGARD 2000 PRESERVATIVE**. Injections must be repeated as needed to maintain control. Individual drips must be treated with a sufficient quantity of **DANTOGARD 2000 PRESERVATIVE** to produce a concentration of 120 to 5,000 ppm **DANTOGARD 2000 PRESERVATIVE** when diluted by the water present in the drip. Injections must be repeated as needed to maintain control.

Oil Field and Petrochemical Operations
 For oil field and petrochemical operations, use in closed delivery systems only. **DANTOGARD 2000 PRESERVATIVE** preserves and aids in the control of sulfate reducing bacteria and general aerobic bacteria, including microorganisms, in oil field recovery, processing, distribution and support systems such as water injection, produced lines, storage tanks and pipelines. **DANTOGARD 2000 PRESERVATIVE** is effective for use in controlling microbial growth in fluids used in drilling, completion, workover and stimulation of oil wells. Specific treatment requirements vary among oilfield sites and subsystem components. Oil field fluids and subsystems most commonly requiring microbial contamination control are raw water sources, separators, ballast, storage, and mixing tanks, screens, surface injection equipment, production equipment (including injection and production piping casing, completion, and valving) and the formation itself. The primary point of treatment will vary among oilfield operations depending on the site problems, water-flood treatment methods and equipment. Production addition must be made with a metering pump or similar device. This product must be slug fed, continuously fed, or fed on an intermittent basis depending on the degree of system fouling. The frequency, use levels, and duration of doses will vary with the individual systems and must be established through experience.

Water Floods¹
DANTOGARD 2000 PRESERVATIVE must be added to a water flood system at a point where uniform mixing will occur. **Initial Treatment:** When the system is noticeably contaminated, add 120 to 7,000 ppm **DANTOGARD 2000 PRESERVATIVE** (0.10 to 5.9 gallons **DANTOGARD 2000 PRESERVATIVE** per 1,000 gallons flood water) When added to a flowing system, slug dose for 4 – 6 hours based on flow rates. Repeat as necessary until control is achieved. **Subsequent Treatment:** Once control has been achieved, add 120 – 7,000 ppm **DANTOGARD 2000 PRESERVATIVE** (0.10 to 5.9 gallons **DANTOGARD 2000 PRESERVATIVE** per 1,000 gallons flood water) to the system weekly, or as needed to maintain control. **Continuous treatment:** **DANTOGARD 2000 PRESERVATIVE** can be dosed continuously at a level of 120 – 2,000 ppm (0.10 to 1.7 gallons **DANTOGARD 2000 PRESERVATIVE** per 1,000 gallons flood water).

Drilling Muds, Packer Fluids, Fracturing Fluids, Completion and Workover Fluids
DANTOGARD 2000 PRESERVATIVE must be added to these fluids at a point where uniform mixing will occur. Add 100 – 7,000 ppm **DANTOGARD 2000 PRESERVATIVE** (0.35 to 24.7 gallons **DANTOGARD 2000 PRESERVATIVE** per 100 barrels of fluid) to a freshly prepared fluid depending on severity of contamination.

Pipeline Pigging and Scraping Operations
 Add **DANTOGARD 2000 PRESERVATIVE** to a slug of water following the scraper. Add **DANTOGARD 2000 PRESERVATIVE** at 120 - 14,000 ppm (0.05 to 4.8 quarts **DANTOGARD 2000 PRESERVATIVE** per 100 gallons water) depending on the length of the pipeline and severity of biofouling.

¹ Not For Use in California

Oil and Gas Production and Transmission Pipelines and Systems
DANTOGARD 2000 PRESERVATIVE must be added at a point in the system where uniform mixing will occur. The application must be conducted to ensure maximum distribution of **DANTOGARD 2000 PRESERVATIVE** through the entire internal surface of the pipeline. Injections to the system must be weekly, or as needed to maintain control. **Slug dose:** For a noticeably fouled system, add 120- 10,000 ppm **DANTOGARD 2000 PRESERVATIVE** (0.10 to 8.4 gallons **DANTOGARD 2000 PRESERVATIVE** per 1,000 gallons flood water) for a designated time period based on flow rates. Repeat as necessary until control is achieved. **Subsequent Treatment:** Once control has been achieved, add 120 – 5,000 ppm **DANTOGARD 2000 PRESERVATIVE** (0.10 to 4.2 gallons **DANTOGARD 2000 PRESERVATIVE** per 1,000 gallons flood water) to the system weekly, or as needed to maintain control. **Continuous treatment:** **DANTOGARD 2000 PRESERVATIVE** can be dosed continuously at a level of 120 – 2,500 ppm (0.10 to 2.1 gallons **DANTOGARD 2000 PRESERVATIVE** per 1,000 gallons flood water).

STORAGE AND DISPOSAL
 Do not contaminate water, food or feed by storage or disposal.
Pesticide Storage: Open dumping is prohibited. Store in original container in areas inaccessible to persons unfamiliar with its use.
Pesticide Disposal: Pesticide wastes are acutely hazardous. 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 Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.
Container Handling:
(For Nonrefillable Plastic containers > 5 gallons but ≤ 100 gallons)
 Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple Rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.
(For Nonrefillable Containers > 100 gallons)
 Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. To clean the container, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Return to point of sale or offer for recycling if available or reconditioning if appropriate.

PROD. No.

LOT No.

Net Contents/Net Weight:
500 lbs.

EPA Est.: **6836-PA-01**