6836-199 4/9/2013 1/5

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

APR 04 2013

Ruth Trager, Manager Commercial Regulatory Services
c/o Lonza, Inc.
90 Boroline Road
Allendale, NJ. 07401

Subject: Dantogard XL-1000
EPA Registration Number 6836-199
Amendment Date: January 14, 2013

Dear Ms. Trager:

The Agency has reviewed your submission in accordance with continuing registration under the Federal Insecticide Fungicide and Rodenticide Act (FIFRA), as amended, and determined the action acceptable.

In summary, your request to add uses in the Oil Field and Petrochemical Operations including water floods, drilling muds and fracturing fluids, well bore cleaning products, gas storage wells and systems, oil and gas production and transmission systems and pipeline pigging and scraping operations is acceptable.

A stamped copy of the accepted labeling is enclosed. Submit one copy of your final printed labeling before distributing or selling the product bearing the revised labeling. If you have any questions concerning this letter, please contact Tom Luminello by telephone, (703) 308-8075, or by e-mail at luminello.tom@epa.gov.

Sincerely,

Jacqueline Campbell
Product Manager 34
Regulatory Management Branch II
Antimicrobials Division (7510P)

DANTOGARD™ XL-1000 PRESERVATIVE

ACTIVE INGREDIENTS:

1,3-Bis(hydroxymethyl)-5,5-dimethylhydantoin	95.5%
Hydroxymethyl-5,5-dimethylhydantoin	4.0%
OTHER INGREDIENTS	0.5%
TOTAL	100.00%

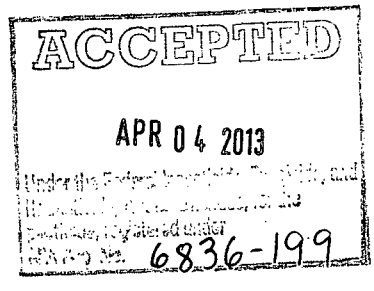
KEEP OUT OF REACH OF CHILDREN

DANGER

SEE [SIDE] [BACK] [LEFT] [RIGHT] PANEL FOR PRECAUTIONARY STATEMENTS

EPA Registration No. 6836-199
EPA Establishment No.6836-PA-01
Net Weight (As marked on container)

Manufactured by:
Lonza Inc.
90 Boroline Road,
Allendale, NJ 07401



PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through the skin. Do not get in eyes or on skin or on clothing. Wear goggles or face shield and chemical resistant gloves when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the bathroom. Remove contaminated clothing and wash contaminated 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 person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the 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.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

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.

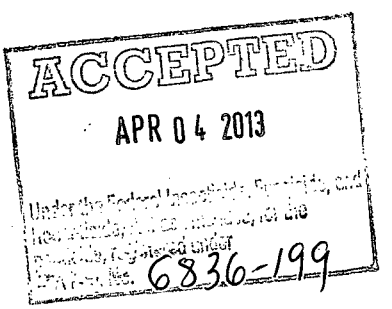
STORAGE AND DISPOSAL

Keep container closed. Store in a dry place. Do not store at elevated temperatures. Keep from freezing. Do not reuse or refill empty container.

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 Disposal:

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



DIRECTIONS FOR USE

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

DANTOGARD™ XL-1000 preserves and aids in the control of bacteria and fungi in liquid detergents, fabric softeners, household cleaning products, 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 adhesives, sealants and caulks, latex for paper coatings, water-based inks and [1]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.

DANTOGARD™ XL-1000 should be added to the formulation to be preserved at a rate of 1.0 to 10.0 lbs. per 1000 lbs. or 0.1% to 1.0% or 1,000 to 10,000 ppm based upon the total weight of the product to be protected.

If the above articles have been treated with Dantogard XL-1000, do not use them as components in materials used in food packaging and food-holding.

DANTOGARD™ XL-1000 may be used in metalworking fluids to prevent fungal growth at concentrations of 0.20% - 0.32%. Levels of DANTOGARD™ XL-1000 should be checked periodically since many cutting oils are unstable upon standing. Workers should take precautions to minimize inhalation exposure to metalworking fluid mists. OSHA limits for oil mist: Time Weighted Average (TWA = 5 mg/m^3); Short Term Exposure Limit (STEL = 10 mg/m^3).

[1]Oil Field and Petrochemical Operations

For oil field and petrochemical operations, use in closed delivery systems only.

Dantogard XL-1000 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 XL-1000 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 casting, 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 and duration of doses will vary with the individual systems and must be established through experience.

[1]Water Floods

Dantogard XL-1000 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 1,000 to 3,500 ppm Dantogard XL-1000 (8.3 to 29.0 lbs Dantogard XL-1000 per 1,000 gallons flood water). Repeat as necessary until control is achieved.

Subsequent Treatment:
Once control has been achieved, add 1,000 – 3,500 ppm Dantogard XL-1000 (8.3 to 29.0 lbs Dantogard XL-1000 per 1,000 gallons flood water) to the system weekly, or as needed to maintain control.

Continuous treatment:
Dantogard XL-1000 can be dosed continuously at a level of 375 – 1,000 ppm (3 to 8.5 lbs Dantogard XL-1000 per 1,000 gallons flood water).

ACCEPTED
APR 04 2013
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under 6836-199

[1]Drilling Muds, Packer Fluids, Fracturing Fluids, Completion and Workover Fluids
Dantogard XL-1000 must be added to these fluids at a point where uniform mixing will occur. Add 250 – 3,500 ppm Dantogard XL-1000 (8.8 to 117 lbs Dantogard XL-1000 per 100 barrels of fluid) to a freshly prepared fluid depending on severity of contamination.

[1]Well Bore Cleaning Products, Hydraulic Fluids, Drilling Fluid Additives
Add 500 – 2,500 ppm Dantogard XL-1000 (17.6 to 83.5 lbs Dantogard XL-1000 per 100 barrels of fluid) to the formulation to be preserved.

[1]Gas Storage Wells and Systems
Individual injection wells must be treated with 1,000 – 3,500 ppm Dantogard XL-1000. Additions must be repeated as needed to maintain control.
Individual drips must be treated with a sufficient quantity of Dantogard XL-1000 to produce a concentration of 250 to 2,500 ppm Dantogard XL-1000 when diluted by the water present in the drip. Additions must be repeated as needed to maintain control.

[1]Oil and Gas Production and Transmission Pipelines and Systems
Dantogard XL-1000 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 XL-1000 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 1,000- 5,000 ppm Dantogard XL-1000 (8.3 to 41.0 lbs Dantogard XL-1000 per 1,000 gallons water) for 4 – 6 hours based on flow rates. Repeat as necessary until control is achieved.

Subsequent Treatment:
Once control has been achieved, add 750 – 2,500 ppm Dantogard XL-1000 (6.2to 20.5 lbs Dantogard XL-1000 per 1,000 gallons water) to the system weekly, or as needed to maintain control.

Continuous treatment:
Dantogard XL-1000 can be dosed continuously at a level of 200 – 1,250 ppm (1.7 to 10.3 lbs Dantogard XL-1000 per 1,000 gallons water).

[1]Pipeline Pigging and Scraping Operations
Add Dantogard XL-1000 to a slug of water following the scraper. Add Dantogard XL-1000 at 1,500 - 5,000 ppm (1.3 to 4.2 lbs Dantogard XL-1000 per 100 gallons water) depending on the length of the pipeline and severity of biofouling.

[1]Oil Field and Petrochemical Operations, Water Floods, Drilling Muds, Packer Fluids, Fracturing Fluids, Completion and Workover Fluids, Well Bore Cleaning Products, Hydraulic Fluids, Drilling Fluid Additives, Gas Storage Wells and Systems, Oil and Gas Production and Transmission Pipelines and Systems and Pipeline Pigging and Scraping Operations are not approved for use in California.