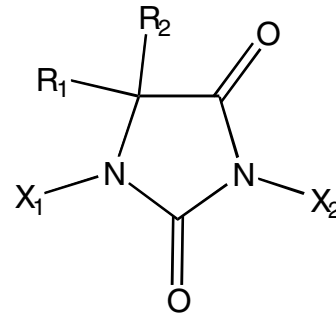


DANTOBROM[®] PG

Pulp and Paper Slimicide

CAS No. 126-06-7, 118-52-5, 89415-87-2

EPA Registered



R₁, R₂ = CH₃, CH₃CH₂
X₁, X₂ = Br, Cl

Dantobrom PG increases paper machine productivity and improves paper quality by limiting microbiological growth and slime formation. When used as directed, Dantobrom PG can reduce paper holes and spots along with the odors and corrosion associated with microbial growth. The patented Dantobrom PG composition provides a unique balance of active halogen stabilization and microbiological activity. Dantobrom PG is a halogenated dialkylhydantoin derivative that provides high solubility, fast dissolution and high halogen content without added binders or inert materials for maximum efficiency and product delivery.

Attributes

- Broad spectrum slimicide.
- Highly efficacious at acidic and alkaline pHs.
- “Buffered” oxidation maximizes efficacy and materials compatibility.
- Solid form minimizes release and exposure potential.
- Optimized efficacy reduces oxidant requirements, decreasing use and handling costs.

Typical Chemical Composition

Dantobrom PG is the compacted form of: 1-bromo-3-chloro-5,5-dimethylhydantoin, 1,3-dichloro-5,5-dimethylhydantoin and 1,3-dichloro-5-ethyl-5-methylhydantoin.

Typical Physical Properties

Form.....	Briquette	Granule
Color.....	Off White	Off White
Total Available Halogen as Chlorine, %Cl ₂	62	62
Available Chlorine, %Cl ₂	44	44
Available Bromine, %Br ₂	40	40
Wt. (g).....	12	—
Density (g/cm ³).....	1.6	1.6
Bulk Density (kg/m ³).....	960	1040
Dimension, nominal (cm).....	4.2x2.2x1.3	—
Volatiles, (%).....	0.5 Max.	0.5 Max.
Melting Range, (°C).....	120-148	120-148
Decomposition Temperature, (°C).....	180	180
pH, (1% Slurry @ 25°C).....	3.6	3.6

The seller makes no warranty, expressed or implied, concerning the accuracy of any results to be obtained from the use of this information and no warranty is expressed or implied concerning the use of these products other than indicated within. The buyer assumes all risks of use and/or handling. No statement is intended or should be construed as a recommendation to infringe any patent

Printed in the USA 4-4-07

Regulatory Status

Form.....	Briquette	Granule
EPA Registration No.	6836-282	6836-281

Dantobrom PG is listed in the United States Environmental Protection Agency TSCA Chemical Inventory.

Dantobrom PG is permitted by the FDA for use as paper slimicide, as noted in 21CFR 176.300.

Availability

For information on Lonza's extensive portfolio of EPA registered products, please call our Technical Service Hot Line at (800) 365-TECH(8324).

Packaging – Processing and Handling

Dantobrom PG is typically shipped in 50 lb. plastic pails and 100 or 225 lb. (net weight) fiber drums with locking lids and polyethylene liners. Additionally, 450 lb SuperSacs are available. Please see MSDS for proper shipping and labeling information.

Storage

Dantobrom PG is an active halogen compound that remains stable provided it is stored in a cool, dry area. Similar to other halogen generators, Dantobrom PG will decompose if mixed with reactive oxidizable substances. Avoid mixing Dantobrom PG with organics, petroleum based lubricating oils, strong acids, strong alkalis, reducing agents, and hydrated salts.

Manufacturing Location

Williamsport, PA

Safety/Toxicity

Refer to Lonza Group Material Safety Data Sheet for this product.

Effective: 4-4-07

Supercedes: 10-18-05