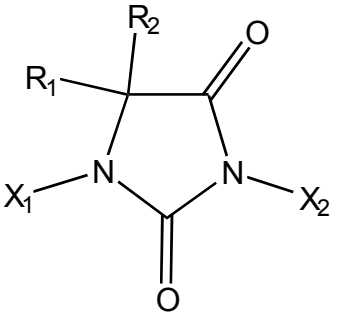
DANTOBROM™ ATB

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



R_1, R_2 = CH_3, CH_3CH_2
X_1, X_2 = Br, Cl

Dantobrom™ ATB is an effective Automatic Toilet Bowl (ATB) Cleaner and Deodorizer suitable for use in the manufacture of various In-Tank and Under-the-Rim products. The patented Dantobrom™ ATB composition provides excellent active halogen stabilization.

Attributes

- Effective cleaner and deodorizer
- Highly effective at acidic and alkaline pHs
- "Buffered" oxidation maximizes material compatibility
- Solid form minimizes release and exposure potential
- Unique compaction properties for improved physical integrity

Typical Chemical Composition

Dantobrom™ ATB 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……	Granule
Color……	Off White
Total Available Halogen as Chlorine, %Cl_2……	62
Available Chlorine, %Cl_2……	43
Available Bromine, %Br_2……	43
Density (g/cm^3)……..	1.6
Bulk Density (kg/m^3)……	1040
Volatiles, (%)……..	0.5 Max.
Melting Range, (°C)……	120-148
Decomposition Temperature, (°C)……..	180
pH, (1% Slurry @ 25°C)……	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 Revised 4-April-2011 Supercedes 10-18-05

Regulatory Status

All components of this material are listed in the United States Environmental Protection Agency TSCA 8(b) Chemical Inventory or are incidental byproducts.

Availability and Packaging – Processing and Handling

Dantobrom™ ATB 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. This material has a four year shelf life. Please see MSDS for proper shipping and labeling information.

Storage

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

Manufacturing Location

Williamsport, PA

Safety/Toxicity

Refer to Lonza Material Safety Data Sheet for this product.

For information on Lonza's extensive portfolio of products, please contact our Technical Sales Support at contact.allendale@lonza.com or at (800) 365-TECH (8324).