Dantoin® BCDMH RW Tablets, Recreational Swimming Pool, Hot Tub and Spa Disinfectant

Dantoin® BCDMH RW Tablets contain the active bromine disinfectant BCDMH (1-bromo-3-chloro-5,5-dimethylhydantoin). This product contains up to 5% more BCDMH than most other bromine products without affecting product solubility characteristics.

When used as directed, Dantoin BCDMH RW Tablets protect swimming pools, hot tubs and spas against harmful microorganisms while producing sparkling, clear water. Dantoin BCDMH RW Tablets help maximize bather comfort by eliminating the potential to develop unwanted chloramine by-products.

Dantoin BCDMH RW Tablets can be used in all standard swimming pool and spa feeders designed for bromine (BCDMH) tablets.

Benefits - Attributes

- Effective in the presence of ammonia and other nitrogenous substances introduced by bathers.
- Highly effective without producing pungent and unpleasant chloramine odors.
- Disinfects without the burning, stinging, bleaching and fading effects of chlorine disinfectants.
- Twice the UV light stability compared to unstabilized disinfectant programs.
- Effective over a broad pH and alkalinity range.
- Doesn’t reduce water pH or increase hardness.
- High activity in a solid concentrate reduces storage and transportation costs.

Label Composition

Active Ingredients
1-bromo-3-chloro-5,5-dimethylhydantoin  97.7%
Inert Ingredients  2.3%

100.0%

Available Bromine  64.73%
Available Chlorine  28.72%
### Typical Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Tablet</td>
</tr>
<tr>
<td>Color</td>
<td>Off White</td>
</tr>
<tr>
<td>Total Available Halogen as Chlorine, % Cl₂</td>
<td>56</td>
</tr>
<tr>
<td>Total Water Insolubles, %</td>
<td>Nil</td>
</tr>
<tr>
<td>Wt. (g)</td>
<td>20</td>
</tr>
<tr>
<td>Density (g/cm³)</td>
<td>1.6</td>
</tr>
<tr>
<td>Bulk Density (kg/m³)</td>
<td>960</td>
</tr>
<tr>
<td>Diameter, Inches</td>
<td>1 3/16</td>
</tr>
<tr>
<td>Physical Stability in Water</td>
<td>Stable</td>
</tr>
</tbody>
</table>

### Typical Solution Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solubility in Water (g/100g at 25°C)</td>
<td>0.25</td>
</tr>
<tr>
<td>pH, (1% Slurry @ 25°C)</td>
<td>3.6</td>
</tr>
<tr>
<td>Odor in Solution</td>
<td>Slight halogen</td>
</tr>
</tbody>
</table>

**Active matter**

Bromochloro-5,5-dimethylhydantoin  
CAS No.: BCDMH: 32718-18-6

**EPA Approved Uses**

Dantoin BCDMH RW Tablets are approved as sanitizers and disinfectants for swimming pools, hot tubs and spas.
Storage and Handling Precautions

Please see the MSDS for detailed information. Dantoin BCDMH RW Tablets remain stable provided it is stored in a cool, dry, well-ventilated area out of the sun and heat. Similar to other halogen generators, Dantoin BCDMH RW Tablets will decompose if mixed with readily oxidizable substances. Avoid mixing Dantoin BCDMH RW Tablets with organics, petroleum-based lubricating oils, strong acids, strong alkalis, reducing agents, and hydrated salts.

Packaging and Product Subregistration

Dantoin BCDMH RW Tablets are typically shipped in net weight 25 and 50 lb. plastic pails; 100 and 225 lb. fiber drums with locking lids and polyethylene liners; and 450 lb super sacs with stitched plastic liners.

A supplemental registration package for Dantoin BCDMH RW Tablets may be obtained from the Regulatory Services Group at 800 777-1875. Customers may make arrangements to have their label applied on standard package sizes at Lonza’s manufacturing site.

Regulatory Information:

EPA Registration No. 6836-317
EINECS No.: 251-171-5
UN No.: 3085

Patent Information:

US Patent 5919992
US Patent 7407590
US Patent 5750061
US Patent 4,560,766
US Patent 4,654,424

Manufacturing Location

Williamsport, PA USA

For questions or for further information please e-mail Technical Sales Support at contact.allendale@lonza.com or call (800) 365-TECH (8324).