**TroyGuard™ BDX1**

**Typical Properties**

<table>
<thead>
<tr>
<th>CAS No.:</th>
<th>51200-87-4</th>
<th>Active Ingredients:</th>
<th>4,4 Dimethyloxazolidine</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS No.:</td>
<td>257-048-2</td>
<td>Physical Form:</td>
<td>Liquid</td>
</tr>
<tr>
<td>Recommended Dose:</td>
<td>0.04 – 0.5%</td>
<td>Appearance:</td>
<td>Clear, pale yellow</td>
</tr>
</tbody>
</table>

**Description**

*TroyGuard BDX1* is a fast-acting, broad-spectrum preservative effective in a wide array of household, industrial, & institutional (HI&I) products such as floor waxes, heavy duty cleaners, and other products formulated in a pH range of 7-11. BDX1 is an amine reacted with formaldehyde and as such, brings control and robustness without many of the hazards and labeling concerns associated with formaldehyde.

**Benefits**

- Rapid control for reduced risk of spoilage
- Long lasting in-package protection for lengthened shelf life
- Improved regulatory profile & safety, no Prop 65, non-mutagenic
- Convenient, readily incorporated
- Completely water-soluble
- Worldwide registrations, enabling standardization of formulas

**Application**

*TroyGuard BDX1* is suitable for a wide range of consumer, industrial, and janitorial cleaning products, including floor cleaners, waxes, polymer emulsions, polishes, surface cleaners, dish detergents, laundry detergents, fabric softeners, and stain removers.

**Formulating Considerations**

*TroyGuard BDX1* should be added slowly and with good agitation. To help prevent spoilage, BDX1 should be added as early in the production process as possible (once temperatures and pH are within the recommended parameters). Prior to commercialization of a new formulation, Troy recommends confirmation of maintained microbiological efficacy and stability during manufacturing, storage, and use.
Troy Microbiological Management Advantage Program: TMMA

Managing Microorganisms in the Production Environment

TMMA is a comprehensive system approach designed specifically for plant, process, and materials protection requirements, including the principles of good plant hygiene and preventive measures. TMMA services can also include an in-depth plant hygiene survey combined with a custom-developed wet-state preservation regimen. TMMA enables manufacturers to achieve contamination-free systems and plant operations, from raw materials to finished products. TMMA provides solutions that improve product quality and reduce cost-in-use.

For more information on TMMA, please contact your Troy representative.

For further information on Troy’s broad line of products for household, industrial, and institutional applications, please visit www.troycorp.com.