**APPOLO-125**

1. **STRUCTURE**

![Chemical Structure](image)

2. **PRODUCT NAME & DETAILS**

**2-(4-Methoxyphenyl)-6-(2,4-dihydroxyphenyl)-1,3,5-triazine** (Appolo-125)

- **Product Code**: 001344
- **CAS No.**: 1440-00-2
- **HS Code**: 2933.99.00
- **Molecular formula**: C_{22}H_{14}N_{2}O_{6}
- **Molecular weight**: 403.380

3. **REGULATORY INFORMATION**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common names and synonyms</th>
<th>CAS number</th>
<th>EC number</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-hydroxy-4-{4-[2-hydroxy-4-oxocyclohexa-2,5-dien-1-ylidene]-6-(4-methoxyphenyl)-1H-1,3,5-triazin-2-ylidene]cyclohexa-2,5-dien-1-one}</td>
<td>3-hydroxy-4-{4-[2-hydroxy-4-oxocyclohexa-2,5-dien-1-ylidene]-6-(4-methoxyphenyl)-1H-1,3,5-triazin-2-ylidene]cyclohexa-2,5-dien-1-one}</td>
<td>1440-00-2</td>
<td>444-500-0</td>
</tr>
</tbody>
</table>

- **European Inventory of Existing Commercial Chemical Substances (EINECS)**: Not Listed
- **EC Inventory**: Listed
- **United States Toxic Substances Control Act (TSCA) Inventory**: Not Listed
- **China Catalog of Hazardous chemicals 2015**: Not Listed
- **Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)**: Listed
- **Korea Existing Chemicals List (KECL)**: Not Listed
- **Canadian Domestic Substance List (DSL)**: Not Listed
- **Canadian Non-Domestic Substance List (NDSL)**: Not Listed
- **Japanese Existing and New Chemical Substances Inventory (ENCS)**: Not Listed

4. **SPECIFICATION**

- **Physical Appearance**: Light Yellow Powder
- **Loss on Drying at 150°C**: NMT 1.00%
- **Purity by HPLC**: NLT 98.5%
- **Identification (HPLC)**: Should Comply The Test
- **Total Impurities (HPLC)**: NMT 1.50%

*Disclaimer:
Typical properties should not be considered as specification.
Products covered by valid patents are not offered or supplied for commercial use. The Patent position should be verified by the customer.
Products will not be supplied to countries where they could be in conflict with existing patents.
Products currently covered by valid US patents are offered for R&D use in accordance with 35 USC 271 (e) (1).
Above information is given in good faith and without warranty.*
4. SPECIFICATION

Ash Contents : NMT 0.10%
Iodine Colour : NMT 15.0
TRIS Resorcinol Triazine : NMT 0.50%
2,4-Dichloro-6(4-methoxyphenyll)1,3,5-triazine : NMT 0.50%

5. APPLICATION

- It is intermediate of Bemotrizinol.
- Bemotrizinal is used as sun screen in cosmetics.
- Bemotrizinol or Bis-ethylhexyloxyphenol methoxyphenyl triazine is a broad-spectrum UV absorber, absorbing both UVA and UVB.
- Bemotrizinol is added to various sunscreens to absorb UV radiation of sun rays.
- Compared to older broad-spectrum chemical agents, bemotrizinol is more fat soluble (oil soluble in cosmetic oils) to aid in efficacy and broad-spectrum activity.
- It is claimed to be photostable, which increases its onset of action and its efficiency in providing protection against UV-rays upon topical application.

6. HAZARD CLASSIFICATION : Non Hazardous material.

7. CAPACITY : 80 MT Per Year

8. STORAGE CONDITION : Store in closed container at ambient temperature. Avoid direct sunlight.

   2 PE liners strip sealed separately.

10. SHELF LIFE : 3 years.