**EVERNOX® 1135**

Phenolic Primary Antioxidant for Processing and Long-Term Thermal Stabilization

**Chemical Name**  
Benzenepropanoic acid, 3,5-bis(1,1-dimethyl-ethyl)-4-hydroxy-C7-C9 branched alkyl esters

**Structure**

![Structure](image)

**Molecular Weight** 390 g/mol

**CAS Number** 125643-61-0

**Specification**

<table>
<thead>
<tr>
<th>Criterion</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>colorless to slightly yellow liquid</td>
</tr>
<tr>
<td>Density (20°C)</td>
<td>0.95-1.00 g/cm³</td>
</tr>
<tr>
<td>Vapor Pressure(25°C)</td>
<td>1.5E-3 Pa</td>
</tr>
<tr>
<td>Viscosity (25°C)</td>
<td>300-500 cSt</td>
</tr>
<tr>
<td>Viscosity (40°C)</td>
<td>95-150 cSt</td>
</tr>
</tbody>
</table>

**Physical Properties**

- Melting Range: <-6°C
- Boiling Point: >200°C
- Flash Point (°C): 210°C
- Solubility (20°C) % w/w
  - water: <0.01
  - acetone: >50
  - benzene: >50
  - chloroform: >50
  - 1,1-dichloromethane: >50
  - ethyl acetate: >50
  - methanol: >50

**Volutility (TGA, in air at 20°C/min)**

- Temp.(°C) at 1 % weight loss: 160°C
- Temp.(°C) at 10 % weight loss: 200°C
Applications
For the stabilization of polyurethane flexible slabstock foams, EVERNOX-1135 prevents the formation of peroxides in the polyol during storage, transport, and further protects against scorching during foaming.

Handling & Safety
EVERNOX-1135 should be handled with care and prevent contamination of the environment.
For more detailed information, please refer to the material safety data sheet.

Packing
The following packages are available upon customer’s request:
(1) 190-kg iron drum.
(2) Other specific request.

Transportation
EVERNOX-1135 is not a dangerous material according to the transportation regulations.

Storage
No special safety measures are required. Usual precautions for handling chemicals are observed.