FIRSTCURE MHPT accelerator is an amine cure accelerator used to promote free radical generation by organic peroxide initiators in addition polymerizations. Free radicals are generated at or below room temperature by chemical reduction of the peroxide. These polymerizations include unsaturated polyester resin, vinyl ester, and acrylate systems. FIRSTCURE MHPT accelerator is either a low-melting-point white solid or a tan liquid depending upon storage temperature. It is sensitive to air and light, so the presence of either will tend to hasten discoloration. This discoloration does not affect purity and is important only where the final product quality is affected by color. It is typically used in concentrations ranging from 0.1% to 0.5%. Peroxide concentration varies with application but is typically around 1%.

**Physical Properties**

- **Appearance**: white solid or tan liquid depending on storage temperature
- **Molecular weight**: 165.24
- **Specific gravity, liquid**: 1.026
- **Boiling point, 8mm Hg, °C**: 136 - 138
- **Melting point, °C**: 28 - 30
- **Solubility in water, mg/ml**: 3.3

**Specifications**

- **N-(2-Hydroxyethyl)-N-methyl-para-toluidine (GC), %, min**: 95
- **Empirical formula**: C_{10}H_{15}NO
- **CAS**: 2842-44-6
Shipping Information

Container Information
55-gallon non-returnable steel drums (440 lbs/200 kg net)
6-gallon non-returnable steel pails (40 lbs/18.18 kg net)

Shipping Classifications
Proper shipping name:

Safety and Handling Information
For specific information on the safe handling of this product, please refer to the material safety data sheet. Copies are available upon request.

Chemical Registration Numbers

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