

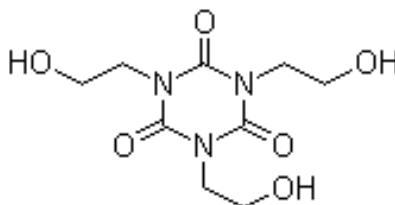
TECHNICAL DATA SHEET

NAME OF COMMODITY: 1,3,5-Tris(2-Hydroxyethyl)Cyanuric Acid (THEIC)

CAS NO.: 839-90-7

MOLECULAR FORMULA: C₉H₁₅N₃O₆

MOLECULAR WEIGHT: 261.23



STRUCTURE FORMULA:

| TESTS | SPECIFICATIONS |
|------------------------------------|--------------------------|
| Appearance | White Powder Or Granular |
| Melting Point | 133.5-137.5 °C |
| Hydroxy Value | 640+/-10 mg/KOH/g |
| Acidity | 1.0 mgKOH/g Max |
| pH Value 10% Water Solution @ 20°C | 6.5-7.5 |
| Copper | 15 ppm Max |
| Iron | 15 ppm Max |
| Turbidity 10% Water Solution | 1.0 NTU Max |
| Water | 0.5% Max |

APPLICATIONS:

THEIC is used as an important raw material for the production of heat-resistant wire enamels and surface coatings with extremely good mechanical properties. It is used in diverse polymeric applications such as polyurethanes, water-base enamels and unsaturated polyester resins. THEIC is also used as organic intermediates for insecticides, plasticizing agents, dyestuffs and pharmaceuticals, etc.

PACKING: net 25kg bags; 16mt/20'fcl palletized