**EVERNOX® 3114**
**EVERNOX®-3114GF**

Phenolic Primary Antioxidant for Processing and Long-Term Thermal Stabilization

**Chemical Name:** Tris-(3,5-di-tert.butyl-4-hydroxybenzyl)-isocyanurate

**Formula:** \( \text{C}_{48}\text{H}_{69}\text{N}_3\text{O}_6 \)

**Structure:**

![Chemical Structure](image)

**Molecular weight:** 784

**CAS number:** 27676-62-6

**Appearance:** White to slightly yellowish powder

**Specification:**

- **Melting point:** 218-223°C
- **Sulphated ash:** 0.05% max
- **Volatile matter:** 0.2% max
- **Clarity of solution**
  - (10g in 100ml toluene): Clear solution
- **Transmittance**
  - (10g in 100ml toluene)
    - at 425nm 93% min
    - at 500nm 95% min
- **Assay:** 98.0% min

**Solubility**

- (25°C, wt/wt)
  - Acetone: 29%
  - Benzene: 10%
  - Chloroform: 21%
  - Ethanol: 1.5%
  - Hexane: 0.6%
  - Methanol: 0.5%
  - Water: <0.01%
Packing: The following packings are available upon customer’s request:
50 kgs fiber drum.

Application: Hindered phenolic antioxidant for organic substrates such as
PE, PP, ABS, PS, SBS, PVC, synthetic fibers, elastomers, waxes,
adhesives, oils and fats.

Transportation: EVERNOX-3114 are not dangerous goods according to the
transport regulations.

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