

CYANOX[®] 1790 antioxidant

TYPICAL PROPERTIES

Chemical Formula	C ₄₂ H ₅₇ N ₃ O ₆
Molecular Weight	699
Melting Point, °C	159.0-162.0
Description	Free-flowing white powder
Color Value (@ 420 nm)	130 max
Loss on Drying, %	0.5 max
Toluene Insolubles, %	0.05 max

PERFORMANCE BENEFITS

- Minimal color contribution
- Low volatility
- Good solubility/migration balance
- Excellent compatibility with polymeric HALS and UVAs
- Superior polymer stabilization

HEALTH AND SAFETY

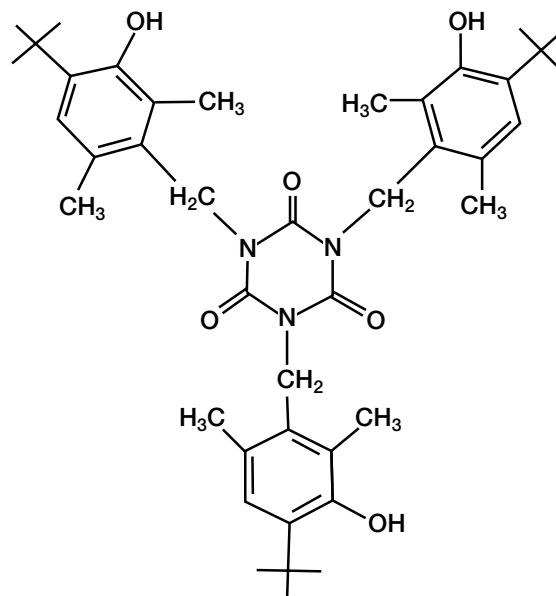
The powder form of CYANOX 1790 antioxidant may form explosive dust-air mixtures.

EFFECTS OF OVEREXPOSURE:

The estimated acute oral (rat) and acute dermal (rabbit) LD₅₀ values for this material are greater than 10,000 mg/kg and greater than 5,000 mg/kg, respectively. The 4-hour LC₅₀ (rat) value is estimated to be greater than 20 mg/L.

Direct contact with this material may cause minimal eye and skin irritation.

Before handling this material, read the corresponding Cytec Industries Inc. Material Safety Data Sheet (MSDS) for safety, health, and environmental data.



1,3,5-TRIS(4-tert-butyl-3-hydroxy-2,6-dimethylbenzyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione

CAS NUMBER 040601-76-1

FDA STATUS

CYANOX 1790 antioxidant is sanctioned as an antioxidant at levels not to exceed 0.1% in olefin polymers used in the manufacture of articles that contact food, subject to the provisions of Section 178.2010 (b) of the Food Additives Regulations. Also, CYANOX 1790 antioxidant is sanctioned for use in polystyrene and rubber-modified polystyrene under Section 177.1640.

Shipping Classification:

Chemical NOI

Shipping Container:

32-gallon fiber drum, polyethylene bag liner, 125 lb net

Storage Conditions:

Important! To maintain product integrity, store indoors in a cool dry place, preferably at 25°C (77°F) or below. Avoid direct exposure to sunlight or temperature above 40°C (104°F).

POLYMER ADDITIVES

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