

CYANOX[®] 2777 antioxidant

CYANOX 2777 antioxidant is a 1: 2 blend of CYANOX 1790 antioxidant and phosphites.

TYPICAL PROPERTIES

Melting Point, °C	166-171
Description	White to off-white powder
CYANOX [®] 1790, %	33.3 ± 3
Acid Number	1.0 max
Specific Gravity (25°C)	1.07

PERFORMANCE BENEFITS

- Minimal color and odor contribution
- Low volatility
- Excellent processing stabilizer
- Low gas yellowing
- Low water carry-over
- FDA sanctioned components
- Resistant to black speck formation and pinking
- Compatible with polymeric HALS and UVAs

HEALTH AND SAFETY

EFFECTS OF OVEREXPOSURE:

Acute oral (rat) and acute dermal (rabbit) LD₅₀ values are >10.0 and >5.0 g/kg, respectively. The 4-hour LC₅₀ (rat) value is estimated to be greater than 20mg/L. No skin irritation and no eye irritation were observed during primary irritation studies with rabbits.

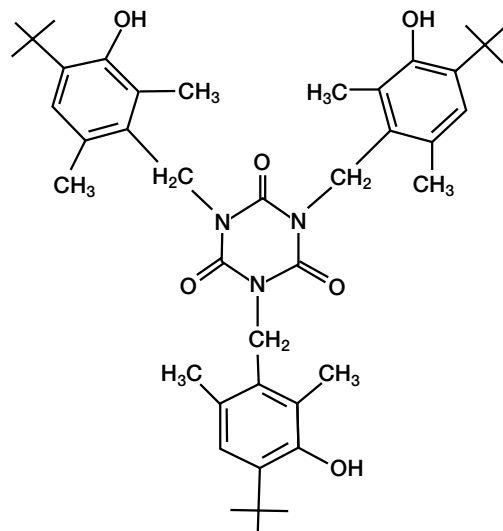
Direct contact with this material may cause minimal eye and skin irritation.

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

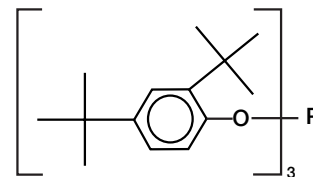
FDA STATUS

Both components of CYANOX 2777 antioxidant are sanctioned as antioxidants and/or stabilizers for use in polyolefins (21 CFR 178.2010) and in polystyrene and rubber modified polystyrene (21 CFR 177.1640). Use limitations are provided in the Code of Federal Regulations.

CYANOX 1790 antioxidant structure



Phosphite structure



Chemical Name of CYANOX 1790 antioxidant

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

Chemical Name of phosphite

Tris (2,4-di-t-butylphenyl) phosphite

CAS NUMBER (CYANOX 1790) 040601-76-1

CAS NUMBER (phosphite) 31570-04-4

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).

CYTEC INDUSTRIES INC.

POLYMER ADDITIVES

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