

CYANOX[®] 425 antioxidant

TYPICAL PROPERTIES

Chemical Formula	C ₂₅ H ₃₆ O ₂
Molecular Weight	368.5
Specific Gravity	1.10

SPECIFICATIONS

Description	Cream free-flowing powder
Melting Point, °C	117-129
Moisture, %	0.5 max
Ash, %	0.25 max
Color (APHA)	1000 max
MBEP, %	1.0 max
pH	5.0-7.5

PERFORMANCE BENEFITS

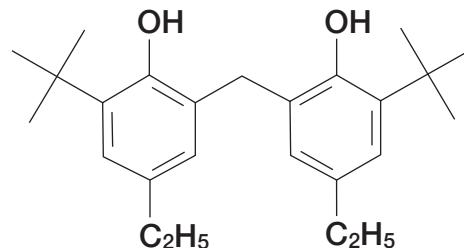
- Effective stabilization of ABS
- Good compatibility
- FDA Sanctioned

HEALTH AND SAFETY

EFFECTS OF OVEREXPOSURE:

Acute oral (rat) and acute dermal (rabbit) LD₅₀ values are >15.0 g/kg and >8.0 g/kg, respectively. The 4-hour LC₅₀ value is estimated to be greater than 20 mg/L. Minimal eye and skin irritation were produced during primary irritation studies with rabbits. Overexposure to airborne dust may cause eye or respiratory tract irritation. 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.



2,2'-Methylenebis(4-ethyl-6-tert-butylphenol)

CAS NUMBER 000088-24-4

FDA STATUS

CYANOX 425 antioxidant is listed in Section 178.2010 of the Food Additives Regulations for use in acrylonitrile-butadiene-styrene copolymers at levels not to exceed 0.6% by weight of the copolymer. It is also sanctioned for use in semirigid and rigid acrylics complying with Section 177.1010 at levels not to exceed 0.1% by weight of the plastic. CYANOX 425 antioxidant is sanctioned by the FDA as an antioxidant employed in the preparation of rubber articles at a level not to exceed 5% under 21 CFR 177.2600 (rubber articles intended for repeated use).

In addition, CYANOX 425 antioxidant is sanctioned by Section 175.105 of the Food Additives Regulations as a component of food packaging adhesives.

Shipping Classification:

Rubber Preservative NOI

Shipping Container:

50 lb bag

Storage Stability:

On standing a tan tint may develop which in no way affects the antioxidant properties or the color of the final stock.

CYTEC INDUSTRIES INC.

POLYMER ADDITIVES

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