

## BNX<sup>®</sup> 2000

### Hydroxyl Amine Antioxidant & Stabilizer

**Introduction:** BNX<sup>®</sup> 2000 is a hydroxylamine stabilizer. It is a phenol free product and significantly reduces the tendency for discoloration due to gas fading and Titanium Dioxide (TiO<sub>2</sub>) interaction. BNX<sup>®</sup> 2000 can be used synergistically with HALS products to provide processing and long-term stability.

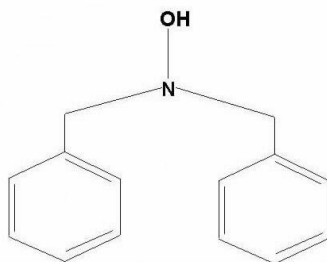
**Material Description:** Hydroxyl amine

**Chemical Name:** Dibenzylhydroxylamine

**Empirical Formula:** C<sub>14</sub>H<sub>15</sub>NO

**CAS #:** 621-07-8

**Chemical Structure:**



**Physical Properties:**

Appearance:	White powder
Molecular Weight:	213
Melting Range:	115 - 125°C
Specific Gravity:	0.8

**Applications:** Typical end use applications include textiles and fibers, particularly as an Anti-yellowing agent for elastomeric nylons (i.e. spandex or lycra). In addition BNX<sup>®</sup> 2000 can be used in polyolefin systems where gas fading or phenolic yellowing is known to occur. The functionality of BNX<sup>®</sup> 2000 is through a free radical termination, similar to phenolic antioxidant functionality.

**Loading Instructions:** We strongly recommend testing of your own system under the actual conditions of processing and end-use prior to full scale testing. Exact loading must be determined by compositions of the specific polymer system.

**Packaging:** BNX<sup>®</sup> 2000 is available in a 25-kg (55.1 lbs.) drum, net weight, with an inner PE liner.

**Storage:** This product may be stored up to one year in a sealed container. Containers should be stored in a cool, dry area. Extended storage at elevated temperatures or exposure to direct heat or sunlight could reduce product life. Keep containers sealed when not in use.

**Toxicity & Safety:** This material is not intended for use in products for which prolonged contact with mucous membranes or abraded skin, or implantation within the human body is specially intended, unless the finished product has been tested in accordance with the

Food and Drug Administration and/or other applicable safety testing requirements. Because of wide range of such potential uses, Mayzo, Inc. is not able to recommend this material as safe and effective for such uses and assumes no liability for any such uses. Read and understand the Material Safety Data Sheet before using or handling this product.

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