

PowerNox™ B921 Antioxidant

Introduction

PowerNox™ B921 is a blend of PowerNox™ 1076 and PowerNox™ 1680 at ratio of 1:2. It has excellent effect in antioxidantizing.

Chemical Name

Blend of PowerNox™ 1076 and PowerNox™ 1680 at ratio of 1:2.

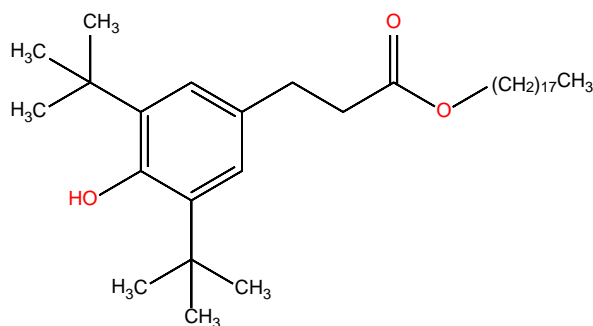
CAS Number

2082-79-3 + 31570-04-4

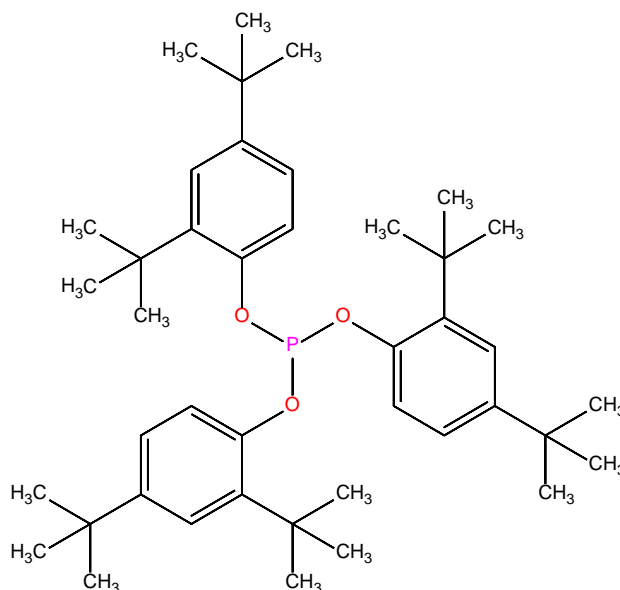
EINECS Number

218-216-0 + 250-709-6

Chemical Structure



PowerNox™ 1076, CAS No. 2082-79-3



PowerNox™ 1680, CAS No. 31570-04-4

PowerNox™ B921 Antioxidant

Chemical Formula $C_{35}H_{62}O_3 + C_{42}H_{63}O_3P$

Molecular Weight 530.87 g/mol + 646.93 g/mol

Physical Properties

Appearance	White powder
Volatile Loss (%)	Max.0.5
Purity (%)	Min.98
Transmittance 425nm (%)	Min.95
Transmittance 500nm (%)	Min.98
Ratio	1:2 (±5%)

Benefits & Applications

- Low color formation;
- Improvement of long-term thermal stability.

PowerNox™ B921 can be used in polyethylene and ethylene co-polymers, such as ethylene vinylacetate copolymers.

PowerNox™ B921 can be used in combination with light stabilizers.

Its typical use levels range from 0.1 to 0.5% for most applications.

Handling & Safety

In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid continuous or repetitive breathing of dust. Use only with adequate ventilation. Protect skin. Avoid dust formation and ignition sources.

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.

For more detailed information please refer to the material safety data sheet.

Packing

PowerNox™ B921 is supplied in 25Kg Bag.

Note

All information in the leaflet is based on our present knowledge and



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experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability.

We disclaim liability for any incidental or consequential damages.