

# PowerSorb™ 3039 Antioxidant

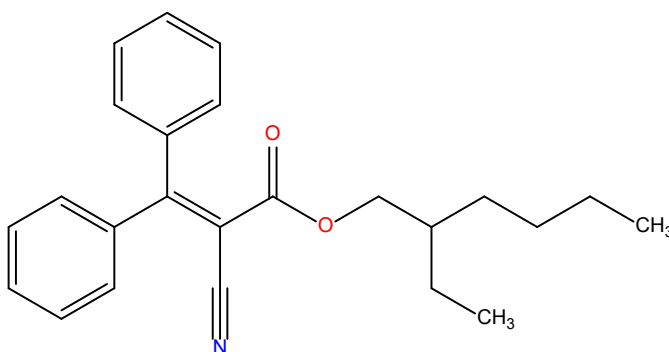
**Introduction** PowerSorb™ 3039 is a liquid ultraviolet light absorber (UVA) of the cyanoacrylate class, imparting excellent light stability to a variety of polymers.

**Chemical Name** (2-ethylhexyl)-2-cyano-3,3-diphenylacrylate

**CAS Number** 6197-30-4

**EINECS Number** 228-250-8

**Chemical Structure**



**Chemical Formula** C<sub>24</sub>H<sub>27</sub>NO<sub>2</sub>

**Molecular Weight** 361

**Physical Properties**

Appearance	Slightly yellowish to clear liquid
Melting Point [25°C]	-8
Specific Gravity (20°C, g/ml)	1.05

**Solubility**

Solubility [20°C]	g/100 g solution
Ethyl acetate	miscible
Methanol	miscible
Methyl ethyl ketone	miscible
Toluene	miscible
Water	< 0.01

## PowerSorb™ 3039 Antioxidant

### Volatility

Weight Loss (%)	Temperature (°C)
1.0	220
5.0	265
10.0	285

Pure substance; TGA, heating rate 20 °C/min in air

### Benefits & Applications

Due to its good compatibility with plasticizers, PowerSorb™3039 is particularly suitable for the stabilization of PVC-p and PVC plastisols. It can also be used in PUR, polyesters and PMMA.

Use levels of PowerStab™3039 range between 0.1 and 1.0 %, depending on substrate and performance requirements of the final application. PowerStab™3039 can be used alone or in combination with other functional additives such as antioxidants (hindered phenols, phosphites) and HALS light stabilizers, here often a synergistic performance is observed. Extensive performance data of PowerStab™3039 alone or in combination with other additives are available in many of the substrates listed above.

### 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

PowerSorb™ 3039 is supplied in 200kg Drum.

### Note

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



## **PowerSorb™ 3039 Antioxidant**

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We disclaim liability for any incidental or consequential damages.