

## PowerSorb™ 3035 UV Absorber

### Introduction

PowerSorb™ 3035 is a solid cyanoacrylate-type UV absorber (UVA) used as a light stabilizer in plastics, adhesives, and coatings. It is inherently non-discoloring and is also chemically non-interacting with reactive monomers and polymerization catalysts.

### Chemical Name

Ethyl-2-cyano-3,3-diphenylacrylate

Synonym: 2-Cyano-3,3-diphenyl-2-propenoicaciethylester

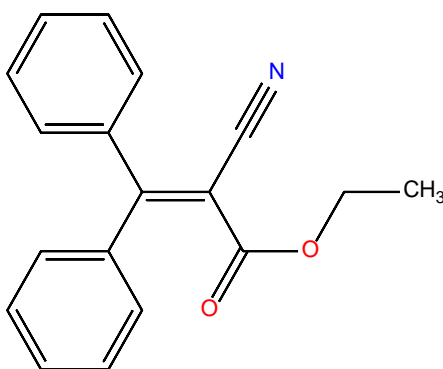
### CAS Number

5232-99-5

### EINECS Number

226-029-0

### Chemical Structure



### Chemical Formula

C<sub>18</sub>H<sub>15</sub>NO<sub>2</sub>

### Molecular Weight

277

## PowerSorb™ 3035 UV Absorber

### Physical Properties

Appearance	White powder
Specific gravity	1.03
Melting Point (°C)	96-98
Volatiles (%)	Max.0.5
K-Value [303nm]	Min.46
Gardner color value	Max.2
Turbidity(NTU)	Max.10
Color of Solution 460nm (%)	Min.95
Color of Solution 500nm (%)	Min.97
Ash (%)	0.1 Max
Purity (%)	Min.99

### Solubility

Solubility [20°C]	% w/w
Ethyl acetate	35
Ethanol	4
Methanol	7
Methyl ethyl ketone	45
Toluene	35
Water	<0.01

### Benefits & Applications

PowerSorb™ 3035 is a highly effective to improve the light stability of a wide range of plastics, including styrenic polymers (ABS, ASA, HIPS, TPE's), PVC (rigid and flexible), polyesters, polyamides, polyurethanes, and acrylics.

PowerSorb™ 3035 is also useful as a light stabilizer in adhesives and coatings applications.

PowerSorb™ 3035 is ideal for use in transparent or light-colored substrates due to its inherently non-discoloring nature. It is also non-interacting with reactive monomers (e.g. isocyanates) and metal-based polymerization catalysts. It is also suitable for use in combination with optical brighteners.

### Handling & Storage

In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid continuous or repetitive breathing of

## PowerSorb™ 3035 UV Absorber

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™ 3035 is supplied in 20Kg Paper Bag, 20Kg PE Bag, 25Kg Carton Box, and 50Kg Fiber 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.

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.