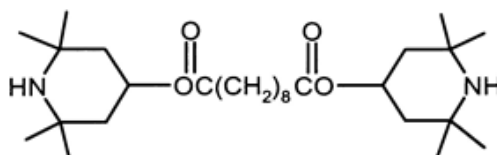


# PUREsorb 770

## Low Molecular Weight Hindered Amine Light Stabilizer (HALS)

**Description** **PUREsorb 770** is a low molecular weight hindered amine light stabilizer (HALS). It is a highly effective radical scavenger that protects organic polymers against degradation caused by exposure to ultraviolet radiation.

### Chemical Structure



**Chemical name** Bis(2,2,6,6-Tetramethyl-4-Piperidiny) sebacate

**CAS number** 52829-07-9

**Molecular weight**

481 g/mol

**Features & benefits** **PUREsorb 770** is a highly effective a light stabilizer which makes it well suitable for applications in both thick section and films, independent of the thickness of the articles.

**Application** **PUREsorb 770** is widely used in a variety of applications including polypropylene, polystyrene, polyurethanes, ABS, SAN, ASA, polyamides and polyacetals. Combined with other HALS products such as PUREsorb 944, **PUREsorb 770** displays strong synergistic effects. The recommended dosing of **PUREsorb 770** range from 0.1 % and 1.0%, depending on the substrate, processing conditions and application.

**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. Avoid contact with eyes. void dust formation and ignition sources. For more detailed information please refer to the SDS.

**Storage** **PUREsorb 770** has to be stored in tightly sealed original container in a cool and well-ventilated area, away from direct sunlight.

### Physical Properties:

Product Form	White crystalline granules		
Melting range	81 - 85°C		
Flash Point	>150°C		
Volatility (105°C,2hrs)	<0.2%		
Vapor pressure	1.0 E6 Pa		
Bulk density (g/l)	470 - 510		
Solubility (20°C) g/100g solution	Solubility (20°C) g/100g solution		
- Acetone	19.0	- Chloroform	45.0
- Ethyl-acetate	24.0	- Benzene	46.0

## TECHNICAL DATA SHEET

Polygel Product Management

Email: [info@polygelbrunei.com](mailto:info@polygelbrunei.com)



- Methanol	38.0	- n-hexane	5.0
- Methylene Chloride	56.0	- Water	<0.01

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November' 2019