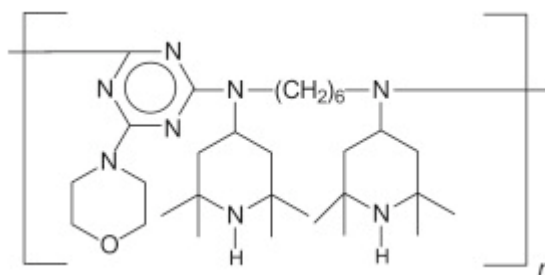


# PUREsorb 3346

## Oligomeric Hindered Amine Light Stabilizer (HALS)

**Description** **PUREsorb 3346** is a high molecular weight hindered amine light stabilizer (HALS). It shows excellent compatibility, high resistance to extraction and low volatility.

**Chemical Structure**



**Chemical name** Poly [(6-morpholino-s-triazine-2,4-diyl) [2,2,6,6-tetramethyl-4-piperidyl]imino]-hexamethylene [(2,2,6,6-tetramethyl-4-piperidyl) imino]

**CAS number** 82451-48-7      **Molecular weight** 1600 g/mol (± 10%)

**Features & benefits** **PUREsorb 3346** provides a minimal colour contribution to the substrates; it has low volatility and excellent compatibility with other HALS and UV absorbers. It has a good solubility/migration balance and is FDA sanctioned in polyolefins. **PUREsorb 3346** light stabilizer in polypropylene and high density polyethylene at concentrations not exceeding 0.3 percent by weight of the polymer.

**Application** **PUREsorb 3346** areas of application include polyolefins (PP, PE), olefin copolymers such as EVA as well as blends of polypropylene with elastomers. In addition, in certain instances **PUREsorb 3346** is highly effective in polyacetals, polyamides, polyurethanes, flexible and rigid PVC, as well as PVC blends and in certain styrenic elastomer and adhesive specialty applications. Use in other olefin polymers at concentrations not exceeding 0.3 percent by weight of the polymer is limited to articles having a volume of at least 5 gallons.

**Handling & Safety** In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Severe eye injury was produced during primary irritation studies. Inhalation exposure to the dust may produce eye, nose and throat irritation. Repeated or prolonged skin contact may produce eczematous dermatitis or other skin reactions such as cracking and scaling of skin. For more detailed information please refer to the material safety data sheet.

**Storage** This product may be stored up to two years in a sealed container. Containers should be kept tightly closed when not in use and stored in a cool, dry place.

# TECHNICAL DATA SHEET

Polygel Product Management

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



## Physical Properties

Product form	Powder and Pastille		
Melting range	90 - 100°C		
Volatile content	< 0-8%		
TGA (340°C)	10 % max		
Solubility (20°C) g/100g solution	Solubility (20°C) g/100g solution		
- Acetone	14.5	- Mixed xylene	25.8
- Ethyl-acetate	14.1	- Methanol	-
- 1-butanol	8.1	- n-heptane	<5.0
- Toluene	30.9	- Water	<5.0

**IMPORTANT:** The following supersedes Buyer's documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict liability, tort or contract arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled or lab work and must be confirmed by Buyer by testing for the intended conditions of use. The product(s) has (have) not been tested for, and is (are) therefore not recommended for uses for which prolonged contact with mucous membranes, abraded skin or blood is intended, or for uses for which implantation within the human body is intended.

November, 2019