

Tinuvin® 292 HP

Product description

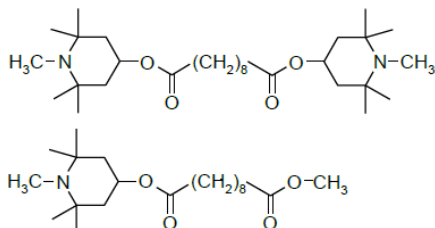
Hindered amine light stabilizer (HALS)

Tinuvin® 292 HP is a multi-purpose liquid basic HALS for coatings. It is designed to meet high performance and durability requirements of solvent-based exterior automotive refinish coatings and other color-sensitive applications including radiation-curable systems (UV, electron beam). It protects coatings from surface defects such as gloss reduction, cracking or chalking and improves retention of mechanical properties.

Key benefits

- multi-purpose HALS for color-sensitive application
- good long-term performance
- high thermal stability

Chemical nature



Pentamethyl piperidine derivate

CAS numbers

41556-26-7, 82919-37-7

Molecular weight

509 g/mol, 370 g/mol

Properties

Physical form Colorless viscous liquid

Technical data

(not supply specification)

Viscosity dynamic	DIN 53018 / 53019 at 20 °C	~ 450 mPa.s
Density	DIN 51757 at 20 °C	0.97 – 1.01 g/cm ³
Flash Point	DIN EN ISO 13736	212 – 216 °C

Miscibility

Miscible with most common organic solvents and easy to incorporate into water-based systems by use of co-solvents.

Application

Fields of application

- Automotive and industrial coatings
- Wood stains and varnishes, wood-care products, waxes

For refinish clear coat applications, Tinuvin® 292 HP needs to be combined with a UV absorber (UVA) such as Tinuvin® 384-2.

Binder systems

- 2K PUR (acrylic/NCO, PES/NCO, ...)
- UV-curable systems (acrylic, PES, ...)

Caution: Tinuvin® 292 HP can undergo acid/base interactions with paint components such as biocides, surfactants and pigments. It can also interfere with acid-catalyzed crosslinking reactions or retard the curing of some air-drying systems (e.g., alkyds or oil-based paints).

Recommended concentrations

The concentration of Tinuvin® 292 HP in clear coatings should be approximately 1 % on binder solids. The amount required for optimum performance should be determined in trials covering a concentration range.

Storage

When kept in original unopened containers and at temperatures of 5 – 35 °C, Tinuvin® 292 HP can be stored for up to 3 years from the date of manufacture.

Safety

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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Resins & Additives (Europe)
67056 Ludwigshafen, Germany
www.basf.com/resins