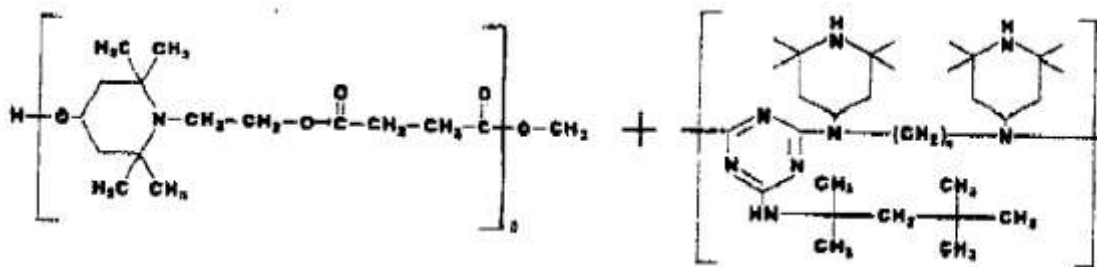


Product Technical Data Sheet

Product name:	UV-783
Chemical name:	UV-944: poly[[6-[(1,1,3,3-tetramethylbutyl)amino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,6-hexanediyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]] UV-622: butanedioic acid, dimethylester, polymer with 4-hydroxy-2,2,6,6-tetramethyl-1-piperidine ethanol
Synonym:	tinuvin@783
CAS No:	UV-944 CAS Nr: 71878-19-8 (or 70624-18-9) UV-622 CAS Nr: 65447-77-0

Chemical Structure:



Quality norm: technical grade

Specification:

Appearance:	White to light yellow pastilles
Transmittance (%)	
425 nm	90 min.
500 nm	93 min.
Volatiles (%):	1.0 max.
Ash (%):	0.1 max.

Package:

25kgs net carton or as required, 500kg per pallet wrapped and film shrunk
 Loading capacity per 20'FCL: 10mt

Characterization

UV-783 is a synergistic mixture of UV- 944 and UV-622. It is a versatile UV stabilizer with outstanding extraction resistance, low gasfading and low pigment interaction. UV-783 is particularly well suited for LDPE, LLDPE, HDPE films, tapes and thick sections and for PP in fibers and films. It is also the product of choice for thick sections where indirect food contact approval is required.

Application

UV-783 areas of application include polyolefins (PP, PE), olefin copolymers such as EVA as well as blends of polypropylene with elastomers

Features/benefits

UV-783 is a versatile UV stabilizer for thin and thick sections and delivers excellent cost / performance benefits. For applications requiring indirect food approvals, TINUVIN 783 can be used at levels not possible with other conventional HALS.

The synergism between the two high molecular weight HALS components of UV-783 is an effective stabilization system for the polymer against degradation through UV radiation and long term heat exposure.

Use Guide:

Thick Sections*	UV Stabilization of HDPE, LLDPE, LDPE and PP	0.1 - 0.8%
Films*	UV Stabilization of LLDPE and PP	0.1 - 1.0%
Tapes	UV Stabilization of PP and HDPE	0.1 - 0.8%
Fibers	UV Stabilization of PP	0.1 - 1.0%

**The presence of a UV-absorber (e.g. UV-326/327/328) is recommended in unpigmented or slightly pigmented articles or to improve the light fastness of certain organic pigments*

Physical Properties

Melting Range	55 – 140 °C
Flashpoint	192 °C (DIN 51758)
Bulk Density	514 g/l

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 dust formation and ignition sources.

For more detailed information please refer to the material safety data sheet.

Registration

The registration status for UV-783 is derived from the single components.

The components are registered in:

Australia
Canada
China
Europe
Japan
Korea
Philippines
USA.

Food Contact

They are approved in many countries for use in food contact applications.

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.

Please note that products may differ from country to country. If you have any queries, please kindly contact us.