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GOOD PEOPLE, GREAT SCIENCE

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TECHNICAL DATA SHEET

UV-119

Ultraviolet light stabilizer for coating, film, and tape

1. General

High molecular weight HALS features reduced interaction with agricultural chemicals, pigments, and fillers. This attribute makes the product ideal for use in demanding applications such as PE-based agricultural films, PP fibers, and talc-filled PP and TPO automotive parts. It is also suitable for use in other polymers and applications, including styrenic polymers (ABS, ASA), polyamide fibers, polyurethanes, and elastomers. UV-119 is also an excellent choice for use in powder coatings where it contributes to the triboelectric effect as well as providing light stability.

2. Properties

Chemical name: N,N',N'',N'''-tetrakis(4,6-bis(butyl-(N-methyl-2,2,6,6-tetramethylpiperidin-4-yl) amino)triazin-2-yl)-4,7-diazadecane-1,10-diamine
CAS No: 106990-43-6

3. Physical Data

Appearance: White to slight yellow granular or powder
Assay: 95.0% min.
M.P. min.: 105°C above
UV transmittance: 93% min. (450nm)
Volatile (100°C. 2h): 0.5% max.
Ash content: 0.1% max.

4. Application

High molecular weight solid hindered amine stabilizer. Offers low volatility and minimal migration. Exhibits long-term heat stability of polyolefins.

5. Storage

UV-119 is stable but it is recommended that it be stored in a cool, dry and well-ventilated place. Keep away from heat, light and air.

6. Packaging and Handling

20 kg NET per carton box. Avoid contact with skin and eyes. Provide sufficient air exchange. Do not flush into surface water or sanitary sewer systems.