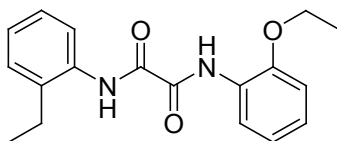


Ultraviolet light absorber for plastics
Oxalanilide UV absorber
1. General

Chiguard® 1033 is an oxalanilide-based UV absorber which possess unique properties like low initial color, neutral in nature, strong anti-oxidant ability and high affinity with metal ions. Therefore, it is ideal for applications such as polyamides, PVC, PET/PBT, and styrenic polymers.

2. Properties

Structure :



Chemical name : 2-Ethyl-2'-ethoxy-oxalanilide
 CAS No. : 23949-66-8
 Molecular formula : $C_{18}H_{20}N_2O_3$
 Molecular weight : 312.36

3. Physical Data

Appearance : White powder
 Odor : Faint
 Melting Point : 124-128 °C
 Boiling Point : > 400 °C
 Specific gravity : 1.26 @20 °C

4. Solubility

(g in 100 ml solvent, at 20 °C)

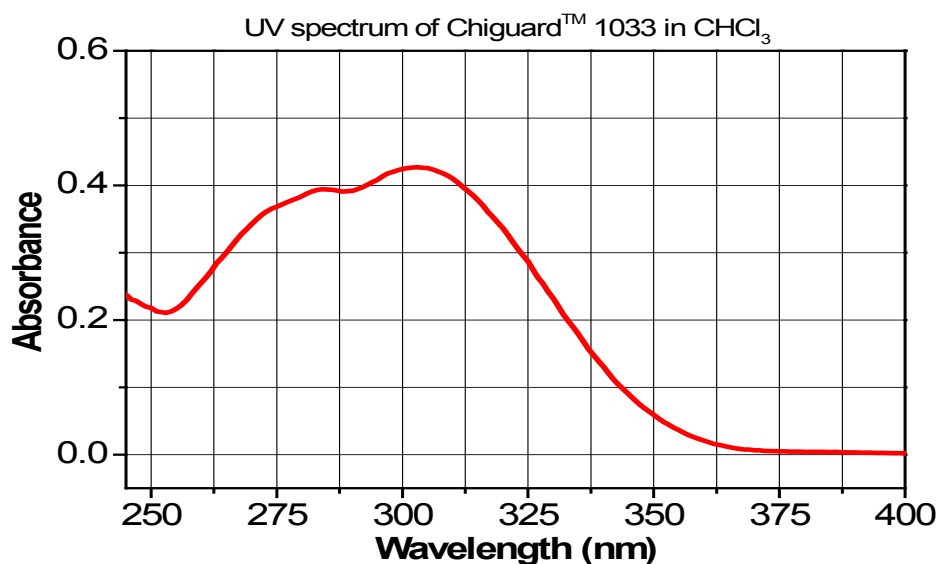
Acetone : 3.2
 Chloroform : 20
 Ethyl acetate : 3.0
 Ethanol : 0.3
 Toluene : 5.2
 MMA : 4.0
 Water : < 0.02

5. Specification

Appearance : White powder
 Assay (GC) : 98 min. (active components)
 Volatiles : 0.5% max.
 Melting Point : 120 °C min.
 Transmittance : 95 min. at 460nm
 96 min. at 500nm

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6. Application

Chiguard® 1033 is most suitable for the protection of polar polymers such as polyamides, polyvinyl chlorides and polyesters due to its excellent solubility in these matrices. It also exhibits very good efficiency when applied in various polymers like PUR, PMMA, and polycarbonates. The dosage of Chiguard® 1033 ranges between 0.1% and 1.5% is recommended for protection. It depends on the substrate and performance requirement of the final application.

7. UV Spectrum

8. Storage

Must be stored in closed containers in dark dry conditions.

9. Packaging

25 Kg/Carton