

Coating Additives





Chitec's four focal high-end UV absorbers

Chiguard® 5530

Waterborne and **liquid**
UV absorber

- Heavy metal-free
- Low color (Gardner < 4.0)
- Easy dosing and handling
- REACH registered

Chiguard® 5582

Best **replacement for UV-328**
in coatings

- Color equals that of UV-328
- Green and cost-effective process
- Easy dosing and handling
- No dust issue
- REACH registered

Chiguard® 5228

High-end UVA for **high solid**
automotive OEM coatings

- Better efficiency than UV-328
- Higher TGA than UV-328
- Superb light fastness
- High solubility
- Low color
- REACH registered

Chiguard® 5400

Triazine liquid UV absorber

- Resistant to acids
- Liquid product, easy-to-use
- High durability
- Suitable for water- / solvent-borne applications
- REACH registered

Chitec Emulsified UV stabilizer series

For acrylic, alkyd, PUD and other waterborne systems

✓ **Instantly miscible with waterborne resins**

✓ **VOC conscious**

✓ Inter-miscible with other Chitec waterborne stabilizers at any ratio

✓ Excellent storage stability

✓ Particle size (D_{50}) : < 250nm



Chiguard® 5400WB

Triazine based waterborne UVA

Suitable resin systems :

- 1 K polyurethane dispersion
- Waterborne alkyd
- Waterborne melamine crosslinker

Chiguard® 101WB

Acid-resistant waterborne HALS

Recommended applications :

- Synthetic leather & textile PUD coatings
- Alkyd dispersion-based wood coatings
- PUD-based sealants and adhesives

Chiguard® 5582WB

Benzotriazole based waterborne UVA

Range of applications :

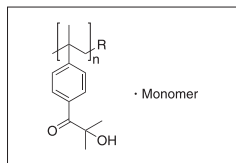
- Exterior wood protection
- Plastic & glass coatings
- Adhesives

Photoinitiators

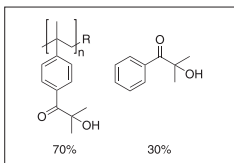
Product	CAS No.	Form	Melting point	Application
Chivacure® 70	EPA Accession No. 117852 51728-26-8	L	-	Odorless & non-migration coatings
Chivacure® 100	EPA Accession No. 117852 7473-98-5	L	-	Extra-thin & non-yellowing UV coatings
Chivacure® 169	119313-12-1	P	108 °C min.	Black UV inks and photoresists
Chivacure® 300	EPA Accession No. 117852	P	100 °C min.	Odorless, extra-thin, non-yellowing & non-migration coatings
Chivacure® 534	125051-32-3	P	180 °C min.	Pigmented photoresists
Chivacure® 1176	71449-78-0 (monomer) 89452-37-9 (dimer)	L	-	Clear cationic coatings, 3D lithography
Chivacure® 1256	84434-11-7	L	-	White pigmented system & thick coatings
Chivacure® TPO	75980-60-8	P	87 - 94 °C	White pigmented system & thick coatings
R-gen® 259	106797-53-9	P	86 - 91 °C	UV powder and waterborne coatings
R-gen® 262	100011-37-8	P	80 °C min.	Visible light cationic inks

Structures

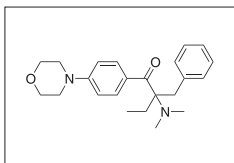
Chivacure® 70



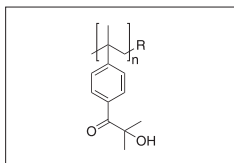
Chivacure® 100



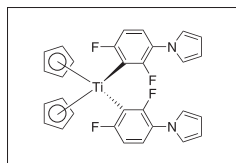
Chivacure® 169



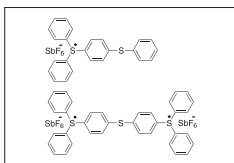
Chivacure® 300



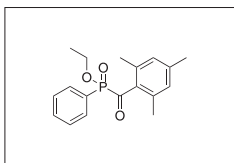
Chivacure® 1256



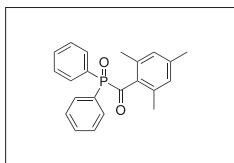
Chivacure® 1176



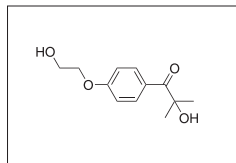
Chivacure® 1256



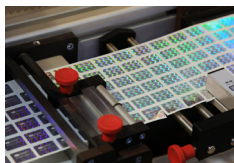
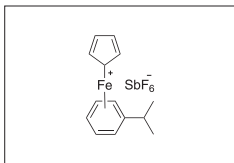
Chivacure® TPO



R-gen® 259



R-gen® 262

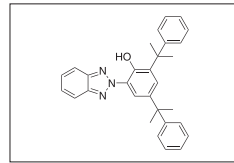


UV Absorbers

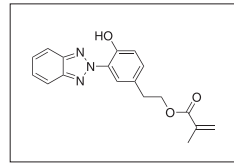
Product	CAS No.	Form	Melting point	Application
Chiguard® 234	70321-86-7	P	137 °C min.	OEM and powder coatings
Chiguard® 323	96478-09-0	P	96 - 100 °C	Acrylate UV resistance enhancer
Chiguard® 1033	23949-66-8	P	120 °C min.	PU / PVC plastisol
Chiguard® 1099	Mixture of UVA & HALS	L	-	Alkyd paints
Chiguard® 3053	Mixture of UVA & HALS	L	-	Acrylic emulsions
Chiguard® 3253	Mixture of UVA & HALS	L	-	Wood coatings
Chiguard® 5228	73936-91-1	P	109 - 113 °C	High solid OEM coatings
Chiguard® 5350	Mixture of UVA & HALS	L	-	Highly pigmented coatings
Chiguard® 5530	104810-48-2 & 104810-47-1	L	-	Waterborne and refinish
Chiguard® 5400	153519-44-9	L	-	Automotive / UV coatings
Chiguard® 5400WB	153519-44-9	L	-	High-end water-based applications
Chiguard® 5405	137658-79-8	P	70 °C min	Exterior powder coatings / solvent-borne aerospace coatings
Chiguard® 5453	Mixture of UVA & HALS	L	-	Automotive varnish
Chiguard® 5582	127519-17-9	L	-	High solid OEM coatings
Chiguard® 5582WB	127519-17-9	L	-	High-end water-based applications
Chiguard® 9735	Mixture of UVA & HALS	L	-	Epoxy laminates

Structures

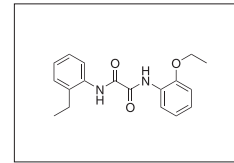
Chiguard® 234



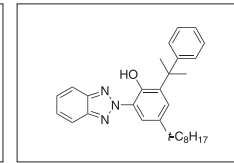
Chiguard® 323



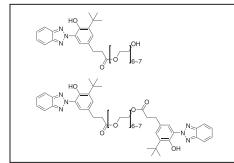
Chiguard® 1033



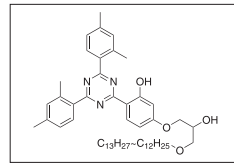
Chiguard® 5228



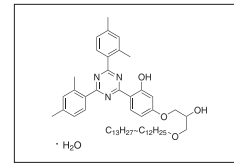
Chiguard® 5530



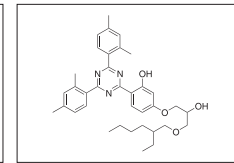
Chiguard® 5400



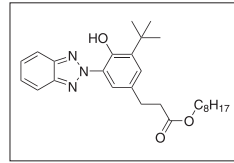
Chiguard® 5400WB



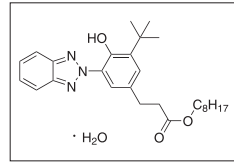
Chiguard® 5405



Chiguard® 5582



Chiguard® 5582WB

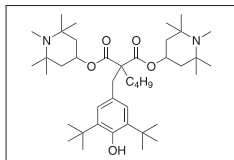


Light Stabilizers

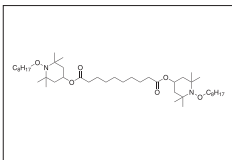
Product	CAS No.	Form	Melting point	Application
Chiguard® 100	63843-89-0	P	144 °C min.	Powder coatings
Chiguard® 101	129757-67-1	L	-	Refinish and alkyd
Chiguard® 101WB	129757-67-1	L	-	High-end water-based applications
Chiguard® 353	41556-26-7 & 82919-37-7	L		General purpose, OEM / refinish

Structures

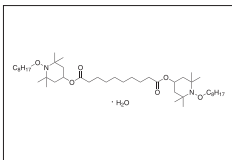
Chiguard® 100



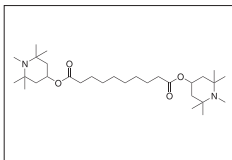
Chiguard® 101



Chiguard® 101WB



Chiguard® 353

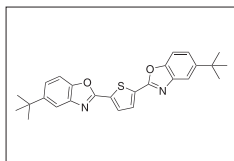


Stabilizers - Others

Product	CAS No.	Form	Melting point	Application
Chitex® OB	7128-64-5	P	197 °C min.	Optical brightener for coatings / printing inks. Marker to identify and certify the validity of the clear coat or paint.

Structures

Chitex® OB



The leading supplier
of UV stabilizers
for the coating industry





20F., No. 57, Sec. 2, Dunhua S. Rd.,

Taipei 106, Taiwan

Tel : +886-2-2700-6678

Fax : +886-2-2700-6608

www.chitec.com