

Coating Additives

2022



chitec



Chiguard® R-455

Chitec's Novel Reactable
Benzotriazole UV Absorber

- With di-hydroxyl group
- Migration and extraction resistance
- Long-term weathering resistance
- Low initiator color



Chiguard® 5400

Liquid Triazine UV Absorber
for OEM Coatings

- Resistant to acids
- Liquid product, easy-to-use
- High durability
- REACH registered



Chiguard® 5582

High-End UV Absorber
for High Solid Coatings

- Low color
- Green and cost-effective process
- Easy dosing and handling
- No dust issue
- REACH registered



Chiguard® 5530

Liquid Benzotriazole UVA
for General Coatings

- Heavy metal-free
- Low color
- Easy dosing and handling
- For use in solvent- /
waterborne coatings
- REACH registered

Chiguard®

Waterborne System

Nano

Emulsion Technology

- Chiguard® 5400WB
- Chiguard® 5582WB
- Chiguard® 101WB

VOC
Free

Stir-In
Property

Long-Term
Durability



Photoinitiators

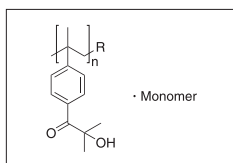
P= Powder, L=Liquid

Product	CAS No.	Form	Melting Point	Application
Chivacure® 70	163702-01-0 & 51728-26-8	L	-	Odorless & non-migration coatings
Chivacure® 100	163702-01-0 & 7473-98-5	L	-	Ultra-thin* & non-yellowing coatings
Chivacure® 150	163702-01-0	Semi-Solid	30-100 °C	Odorless, ultra-thin, non-yellowing, non-migration coatings
Chivacure® 160	71868-15-0	P	100 °C min.	Ultra-thin & non-migration coatings
Chivacure® 300	163702-01-0	P	100 °C min.	Ultra-thin & non-yellowing coatings
Chivacure® OMB	606-28-0	P	48-54 °C	Odorless & non-yellowing ink
Chivacure® TPO-L	84434-11-7	L	-	Pigmented systems & thick coatings
Chivacure® TPO	75980-60-8	P	87-94 °C	Pigmented systems & thick coatings
Chivacure® 1500	75980-60-8 & 7473-98-5	P	-	White or thick coatings & nonyellowing clear coatings
Chivacure® 534SS	125051-32-3	P	160 °C min.	Pigmented systems & extremely high photosensitivity
Chivacure® 1176	71449-78-0 (monomer) 89452-37-9 (dimer)	L	-	Cationic clear coatings, 3D printing
Chivacure® 1190	68156-13-8(monomer) 74227-35-3(dimer)	L	-	Cationic clear coatings
R-gen® 262	100011-37-8	P	80 °C min.	Cationic visible light cured coatings

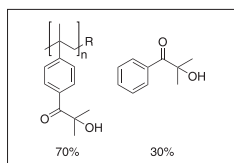
*Thickness: Less than 5µm

Structures

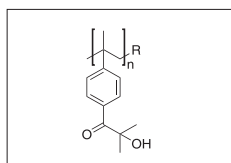
Chivacure® 70



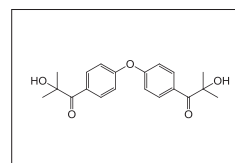
Chivacure® 100



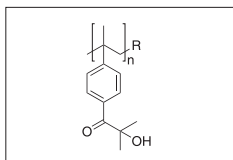
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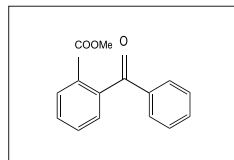
Chivacure® 160



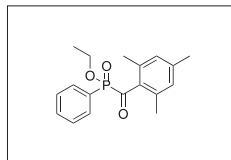
Chivacure® 300



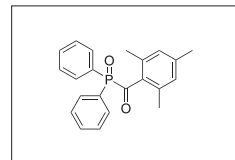
Chivacure® OMB



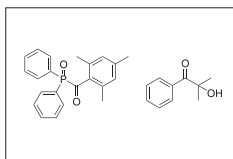
Chivacure® TPO-L



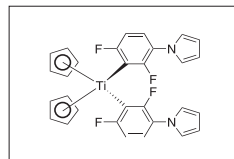
Chivacure® TPO



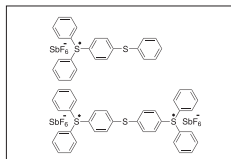
Chivacure® 1500



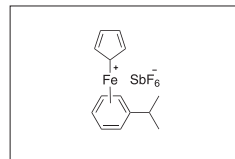
Chivacure® 534SS



Chivacure® 1176



R-gen® 262



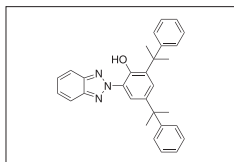
UV Absorbers

P= Powder, L=Liquid

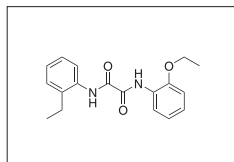
Product	CAS No.	Form	Melting Point	Application
Chiguard® 234	70321-86-7	P	137 °C min.	OEM and powder coatings
Chiguard® 1033	23949-66-8	P	120 °C min.	TPU, UV coatings
Chiguard® 1099	Mixture of UVA & HALS	L	-	Alkyd paints
Chiguard® 3053	Mixture of UVA & HALS	L	-	Acrylic emulsions
Chiguard® 3253	Mixture 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 coatings
Chiguard® 5582	127519-17-9	L	-	High solid OEM coatings
Chiguard® 5582WB	127519-17-9	L	-	High-end water-based applic
Chiguard® 9735	Proprietary	L	-	TPU, PU foam, PU and epoxy coatings
Chiguard® R-455	Proprietary	P	115 °C min.	Aliphatic and aromatic PU system TPU and PU coatings
Chiguard® U-9310	Proprietary	L	-	TPU, PU foam, PU and epoxy coatings

Structures

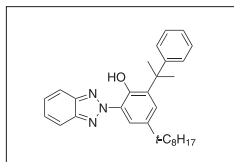
Chiguard® 234



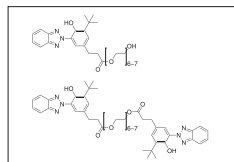
Chiguard® 1033



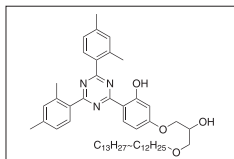
Chiguard® 5228



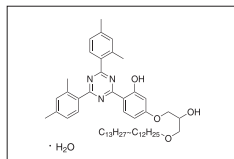
Chiguard® 5530



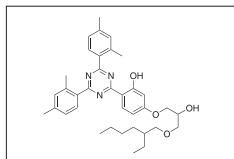
Chiguard® 5400



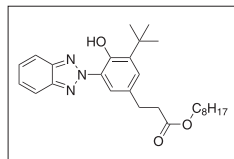
Chiguard® 5400WB



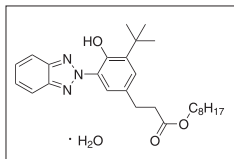
Chiguard® 5405



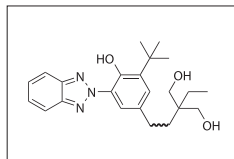
Chiguard® 5582



Chiguard® 5582WB



Chiguard® R-455



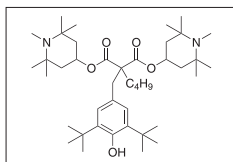
Light Stabilizers

P= Powder, L=Liquid

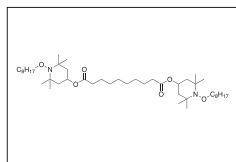
Product	CAS No.	Form	Melting Point	Application
Chiguard® 100G	63843-89-0	P	144 °C min.	Powder coatings
Chiguard® 101	129757-67-1	L	-	Refinish and alkyd
Chiguard® 101WB	129757-67-1	L	-	High-end water-based applications
Chiguard® 353	41556-26-7 & 82919-37-7	L	-	General purpose, OEM, Refinish
Chiguard® 1152	191743-75-6	P	85 °C min.	Non-migrating, reactable lowbasic HALS for plastic coatings, Automotive coatings

Structures

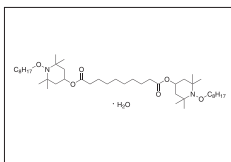
Chiguard® 100G



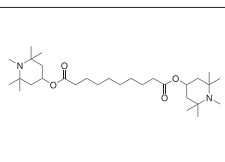
Chiguard® 101



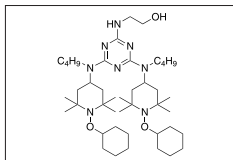
Chiguard® 101WB



Chiguard® 353



Chiguard® 101



Powder Coatings

Function	Product	Form	Melting Point
UVA	Chiguard® 234	P	137°C min.
UVA	Chiguard® 5228	P	109-113 °C
UVA	Chiguard® 5405	P	70 °C min.
UVA	Chiguard® R-455	P	115 °C min.
HALS	Chiguard® 100G	P	144 °C min.
HALS	Chiguard® 1152	P	85 °C min.



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