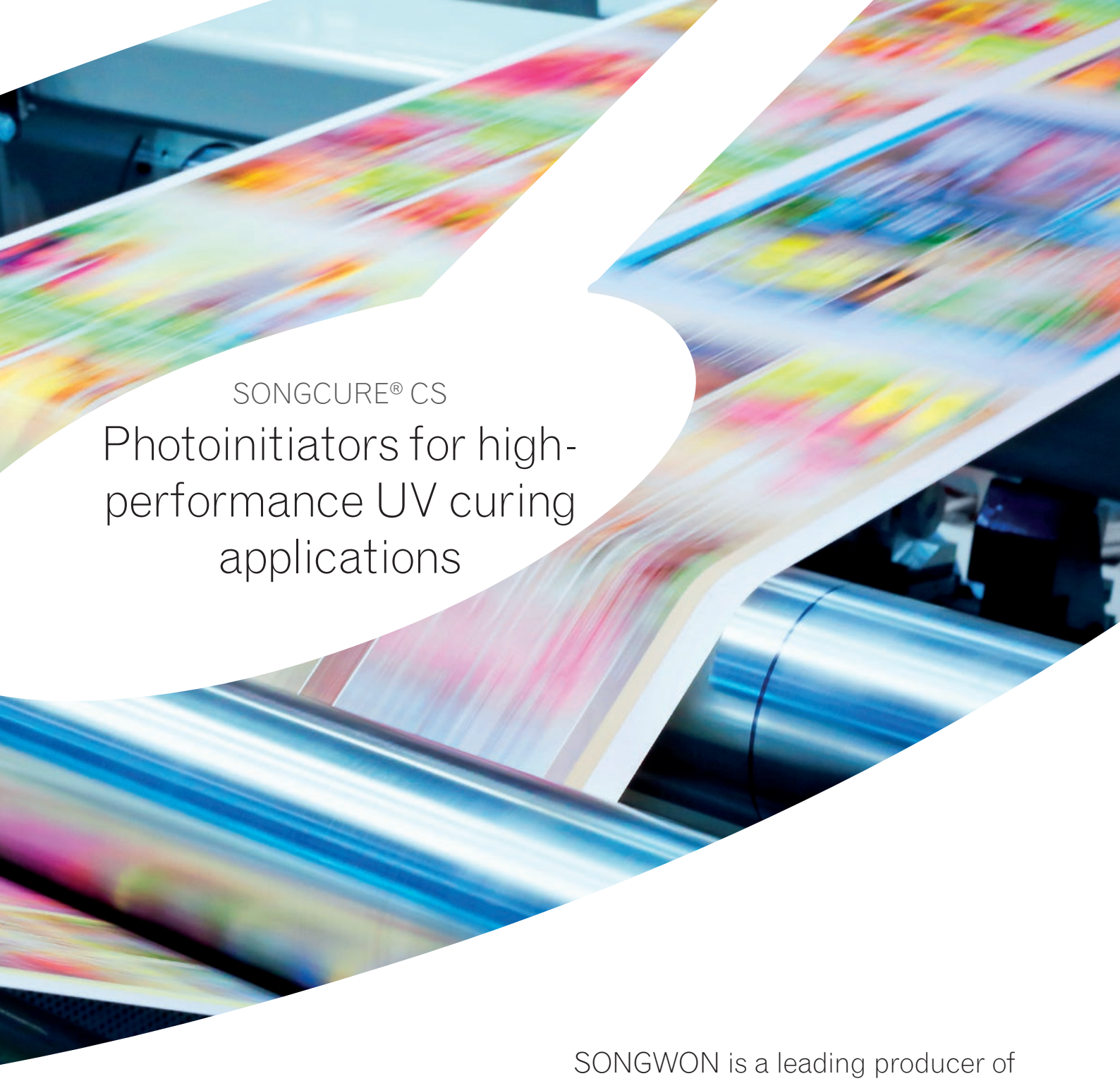


SONGCURE® CS

Photoinitiators for high-performance UV curing applications

SONGWON is a leading producer of specialty chemicals for UV-curable applications.

Photoinitiators are crucial to UV curing.

SONGWON has designed a range to help customers achieve numerous different formulations, for applications ranging from non-pigmented clear coats to highly pigmented systems.

It's all about **the chemistry™**

SONGWON

The key element in the fastest-growing coating technology

Wide range of photoinitiators

Simple, cost-effective solutions

High efficiency, low toxicity

Technical expertise

Coating laboratory in South Korea

Dedicated local support centers

World class production facility in Asia

Proven reliability

More than 50 years' manufacturing experience

Backward integration of key raw materials

Global sales organization and distribution network

Strong commitment

Continuous innovation to meet new industry standards and product requirements

Expert services worldwide

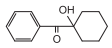
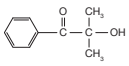
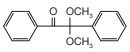
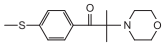
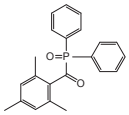
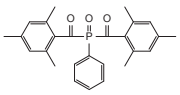
SONGCURE® CS photoinitiators enable customers to overcome a wide variety of formulation challenges.

Photoinitiators are essential to the radiation curing process. Whether used on their own or in combination, they can impact the curing speed and the final properties - such as chemical resistance and adhesion - of the cured coating, ink or adhesive. Appropriate choice is therefore essential to achieve the desired results, and tests should be performed to determine the right amounts and achieve the required speed and reactivity.

SONGCURE® CS 184 and SONGCURE® CS 1173 are designed for unpigmented clear coating systems, while SONGCURE® CS TPO is suitable for highly pigmented systems and applications requiring low odor and low yellowing.

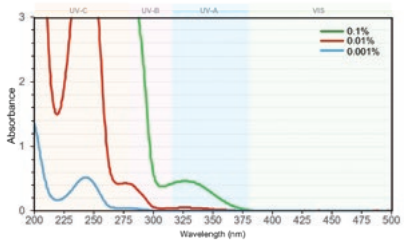
SONGWON's team of experts is there to help customers develop new products or suggest the best curing package for specific applications.

SONGWON's range of photoinitiators covers a wide variety of requirements

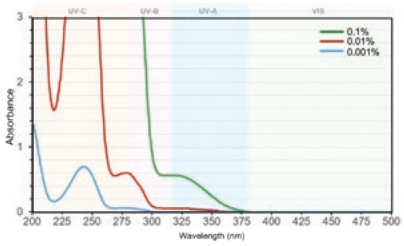
	Structure	Chemical class	Chemical name	Appearance	Features
SONGCURE® CS 184		α-Hydroxyketone	1-Hydroxy-cyclohexyl-phenyl-ketone	White to off-white crystalline powder	- Recommended for clear wood, plastic, metal and UV-stabilized coatings - Suitable for overprint varnishes
SONGCURE® CS 1173		α-Hydroxyketone	2-Hydroxy-2-methyl-1-phenyl-propan-1-one	Colorless to slightly yellow liquid	- Recommended for clear wood, plastic, metal and UV-stabilized coatings - Suitable for overprint varnishes.
SONGCURE® CS 651		Benzyldimethyl-ketal	2,2-Dimethoxy-1,2-diphenylethan-1-one	White to light yellow crystalline powder	- Suitable for pigmented wood, plastic, metal and powder coatings
SONGCURE® CS 907		α-Aminoketone	2-Methyl-1 [4-(methylthio)phenyl]-2-morpholinopropan-1-one	White to slightly beige powder	- Recommended for inks
SONGCURE® CS TPO		Mono acyl phosphine (MAPO)	Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide	Yellowish crystal powder	- Recommended for UV-stabilized clear coatings - Suitable for pigmented wood, plastic and metal coatings and inks
SONGCURE® CS 819		Bis acyl phosphine (BAPO)	Phenylbis (2,4,6-trimethylbenzoyl) phosphineoxide	Pale yellow crystal	- Recommended for pigmented wood, plastic, metal and powder coatings - Suitable for UV-stabilized clear coatings and inks

Absorption spectrum (% in acetonitrile)

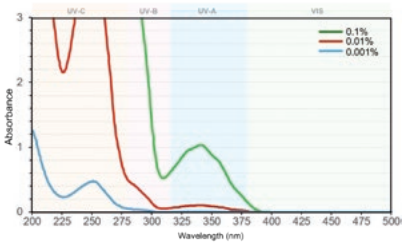
SONGCURE® CS 184



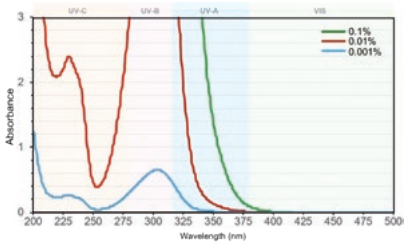
SONGCURE® CS 1173



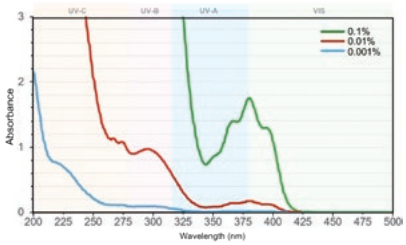
SONGCURE® CS 651



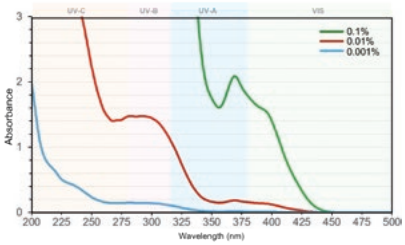
SONGCURE® CS 907



SONGCURE® CS TPO



SONGCURE® CS 819



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