

UviCure S160

Feb-2022 v.9

Technical Data Sheet

General Information

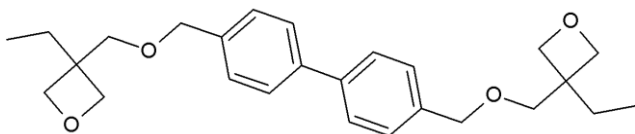
UviCure S160 is an aromatic difunctional oxetane which can be used in cationic formulations to give cured films with high chemical resistance, mechanical strength and minimised shrinkage when polymerised with onium salt photoinitiators.

Chemical Name

4,4-Bis[(3-ethyl-3-oxetanyl)methoxymethyl]biphenyl

CAS Number	EC Number	Mol. Wt.
358365-48-7	n/a	410.6

Structure



Specification (LAM 373)

Appearance (@50°C) :	Colourless to pale yellow clear liquid
Purity (GC) :	≥ 90.0 %area
Viscosity (LV, Sp31, 60rpm @ 50°C) :	240.0 - 300.0 mPa.s
Water Content (Karl Fischer) :	≤ 0.1 %w/w
Epoxide Equivalent :	180.0 - 230.0 g/mol

Applications

- LED curing
- Metal coatings
- 3D printing
- Adhesives
- Composites
- Clear coatings
- Pigmented systems
- White pigmented systems
- Black pigmented systems
- Glass coatings

Storage and Handling

Stable for at least 2 year(s) at 20°C in a sealed container in the dark. A Safety Data Sheet is available on request.

Transport Classification

(EUROPE AND USA) NON-HAZARDOUS

Global Inventories

IECSC, ISHL, TSCI

Disclaimer: Please consult Arkema's disclaimer regarding the use of our products on <https://www.arkema.com/en/products/product-safety/disclaimer/>