

UviCure S105E

Feb-2022 v.9

Technical Data Sheet

General Information

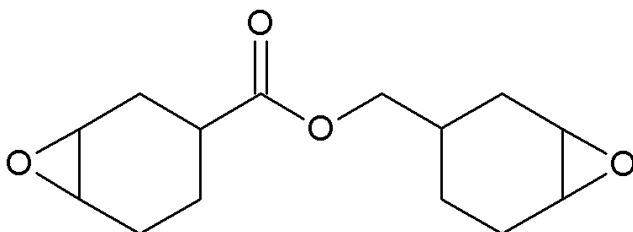
UviCure S105E is a high purity, low viscosity difunctional cycloaliphatic epoxide resin which gives clear, hard, glossy coatings when polymerised with onium salt photoinitiators.

Chemical Name

7-oxabicyclo[4.1.0]hept-3-ylmethyl 7-oxabicyclo[4.1.0]heptane-3-carboxylate

CAS Number	EC Number	Mol. Wt.
2386-87-0	219-207-4	252.3

Structure



Specification (LAM 341)

Appearance :	Colourless to pale yellow clear liquid
Assay (GC) :	≥ 97.0 %w/w
Viscosity (LV, Sp31, 60rpm @ 25°C) :	220.0 - 350.0 mPa.s
Water Content (Karl Fischer) :	≤ 0.05 %w/w
Epoxide Equivalent :	126.0 - 135.0 g/mol
APHA (Neat) :	≤ 50.0
Total Chloride Content (Combustion IC) :	≤ 100.0 ppm

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.

Global Inventories

REACH, EINECS, TSCA, DSL, AICS, NZIoC, IECSC, CSCL, ECL, PICCS, TSCI

Transport Classification

(EUROPE AND USA) NON-HAZARDOUS

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