

TECHNICAL DATA SHEET

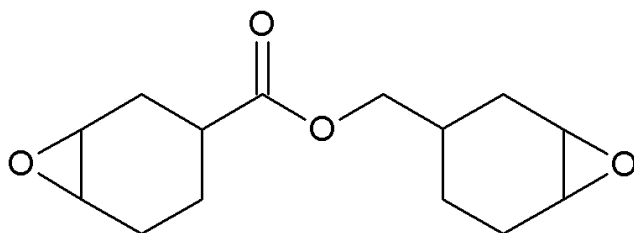
UviCure S105E

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

Description

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

STRUCTURE



SHELF LIFE

Typical shelf life is 24 months from manufactured date for unopened containers.

In cases where product sampling is required to carry out incoming quality tests, shelf-life should be maintained beyond opening, provided that it is tightly closed immediately after and that contamination with foreign bodies is avoided.

STORAGE

Store in the dark in the original, closed container in a dry, cool and well ventilated place at (20°C). Keep away from frost, light and heat (open flames, hot surfaces and sources of ignition) sources.

INVENTORIES, HEALTH AND SAFETY

See SDS for Regulatory, Health & Safety Considerations

SALES SPECIFICATION

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

CAS NUMBER

2386-87-0

PERFORMANCE

Adhesion, Chemical Resistance, Corrosion Resistance, Hardness, Scratch Resistance, Shrinkage

SUGGESTED APPLICATIONS

3D printing, Electronics