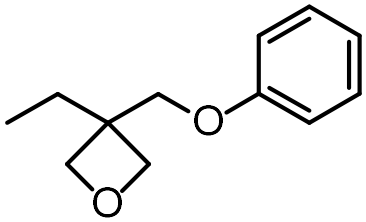
ARON OXETANE® OXT-211

3-Ethyl-3-(phenoxymethl)oxetane (Development product)

Chemical structure



3-Ethyl-3-(phenoxymethyl)oxetane
Molecular Weight : 192.3
Functionality : 1
Appearance : Liquid

Description

・OXETANE is used together with epoxy and has the following benefits.
1. Low curing shrinkage
→ Improved Adhesion
→ Good dimensional stability
2. Improved UV curability of epoxy
→ Increased production efficiency
3. Increased molecular weight of epoxy
→ Improved durability

Product data

Purity (%)	≧98
Viscosity (mPa・s, 25 °C)	10-20
Boiling point (°C/kPa)	130/0.67
Refractive index (n_D^{25})	1.514
Specific gravity (25 °C)	1.046

Features

・Low viscosity
→ Suitable a reactive diluent for epoxy
・High Refractive index (In ARON OXETANE)

Application

・Adhesive for optical parts, etc.

Properties of cured film

Specific gravity	1.098
Curing shrinkage (%)	4.7
Tg (°C, DMS)	1

Package

18 kg (5 gallon square can)

Registration

Japan (METI)	Low production volume
USA (TSCA)	Not Listed
EU (REACH)	Not Listed
China (IECSC)	Listed
Korea (ECL) K-REACH	Not Listed Not Listed
Taiwan	Listed

As of Mar. 2024

Safety data

Signal word (GHS US)	None
Hazard pictograms (GHS US)	No labeling applicable
Ames test	Negative
P.I.I.	1.9
Flash point (°C)	145 Open－cup

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