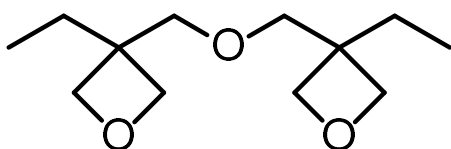


# ARON OXETANE<sup>®</sup> OXT-221

3-Ethyl-3-[[[(3-ethyloxetane-3-yl)methoxy]methyl]oxetane

## Chemical structure



3-Ethyl-3-[[[(3-ethyloxetane-3-yl)methoxy]methyl]oxetane

Molecular Weight : 214.3

Functionality : 2

Appearance : Liquid

## Product data

Purity (%)	≧ 98
Viscosity (mPa·s, 25 °C)	9-14
Boiling point (°C/kPa)	119/0.67
Refractive index (n <sub>D</sub> <sup>25</sup> )	1.452
Specific gravity (25 °C)	0.998
Surface tension (mN/m, 23°C)	35.0

## Properties of cured film

Specific gravity	1.056
Curing shrinkage (%)	5.5
Tg (°C, DMS)	51

## Registration

Japan (METI)	Listed
USA (TSCA)	Listed
EU (REACH)	Listed
China (IECSC)	Listed
Korea (ECL)	Listed
K-REACH	In progress
Taiwan	Listed

As of Mar. 2024

## 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

## Features

- Low viscosity
  - Suitable a reactive diluent for epoxy
- Good thermal resistance (High cross-link)
  - Suitable for electronic parts
- Good chemical resistance


## Application

- Adhesive (ex. For high modulus), Sealing (ex. Electronic parts), Ink, etc.

## Package

15 kg (5 gallon square can)  
190 kg (55 gallon drum)

## Safety data

Signal word (GHS US)	Warning
Hazard pictograms (GHS US)	
Ames test	Negative
P.I.I.	1.0
Flash point (°C)	144 Open – cup

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