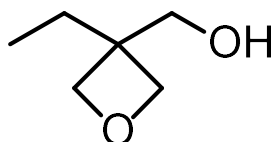


# ARON OXETANE<sup>®</sup> OXT-101

## 3-Ethyl-3-hydroxymethyloxetane

### Chemical structure



3-Ethyl-3-hydroxymethyloxetane

Molecular Weight : 116.2

Functionality : 1

Appearance : Liquid

### Product data

Purity (%)	≥ 98
Viscosity (mPa·s, 25 °C)	17-22
Boiling point (°C/kPa)	105/0.93
Refractive index (n <sub>D</sub> <sup>25</sup> )	1.449
Specific gravity (20 °C)	1.024
Surface tension (mN/m, 23°C)	36.3

### Properties of cured film

Specific gravity	1.108
Curing shrinkage (%)	7.6
Tg (°C, DSC)	46

### Registration

Japan (METI)	Listed
USA (TSCA)	Listed
EU (REACH)	Not Listed
China (IECSC)	Listed
Korea (ECL) K-REACH	Listed Not Listed
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
- Flexibility
  - Increased toughness of epoxy (ex. Bisphenol-A Epoxy resin, etc.)
- Water soluble


### Application

- Adhesive, Ink, Metal coating, etc.

### Package

18 kg (5 gallon square can)  
200 kg (55 gallon drum)

### Safety data

Signal word (GHS US)	Warning
Hazard pictograms (GHS US)	
Ames test	Negative
P.I.I.	0.2
Flash point (°C)	110 Open – cup

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