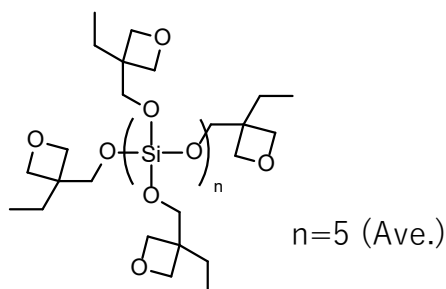


# ARON OXETANE<sup>®</sup> OXT-191

## Oxetanyl-Silicate

### Chemical structure



Oxetanyl-Silicate  
 Molecular Weight : 1,586 (n=5)  
 Functionality : 12 (n=5)  
 Appearance : Liquid

### Product data

Purity (%)	≧ 90
Viscosity (mPa·s, 25 °C)	3,000-10,000
Specific gravity (25 °C)	1.155-1.158

### Properties of cured film

Pencil hardness	5-6H
Thickness=3 μm, Substrate= Steel plate	

### Registration

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

- High hardness
- Good scratch resistance
- Good chemical resistance

### Application

- Hard coating (ex. Optical parts, etc.)

### Package

18 kg (5 gallon square can)

### Safety data

Signal word (GHS US)	None
Hazard pictograms (GHS US)	No labeling applicable
Ames test	Negative
P.I.I.	1.5
Flash point (°C)	224 Open – cup

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