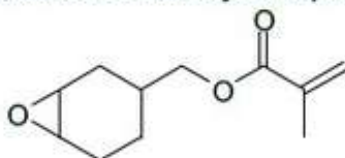


# CYCLOMER M100

## Methacrylate monomers with cycloaliphatic epoxy group

### <Description>

Compared with GMA, CYCLOMER M100 is hard to gel when it is copolymerized with methacrylic acid. It has also good cationic reactivity. CYCLOMER M100 can be radically copolymerized with vinyl monomer such as styrene, methacrylate ester and ethylene, and can introduce a cycloaliphatic epoxy group into the side chain of the polymer. Using the reaction of the functional group having active hydrogen and cycloaliphatic epoxy, a methacryl group can be introduced into CYCLOMER M100 monomer or copolymer. CYCLOMER M100 is suitable for the introduction of the epoxy group to aqueous resin, because the cycloaliphatic epoxy group is stable in the water.



### <Composition / Information on ingredients>

Composition of Substances in Mixture (continued)

Chemical Name or Generic Name	Concentration in the Mixture	CAS No.
1,4-Epoxy-Cyclohexyl-methyl-methacrylate	200.0%	8245-20-6
Other water	0.1%	NA

### <Global Regulations>

RoHS	REACH	HSN	HSN	HSN	HSN	HSN	HSN	HSN	HSN
2011	2013	2012	2012	2012	2012	2012	2012	2012	2012
✓			✓	✓		✓			

### <Typical properties>

Item	Reference	25°C		40°C		60°C	
		Viscosity (cP)	Specific Gravity (g/cm <sup>3</sup> )	Viscosity (cP)	Specific Gravity (g/cm <sup>3</sup> )	Viscosity (cP)	Specific Gravity (g/cm <sup>3</sup> )
CYCLOMER M100	Liquid	40	0.92	20	0.89	5	0.85

It should be noted that typical property values shown in the technical data sheet are representative values and are not guaranteed values. Please contact us to obtain detail of product and guaranteed values.

Please refer to our SDS (safety data sheet) for information on the handling of each product.

**DAICEL CORPORATION**

ORGANIC CHEMICAL PRODUCTS COMPANY  
Organic Chemical Marketing Group  
4-1-1 Higashi, Tsu City, Mie Prefecture,  
Tsu, Mie 514-8601 Japan

TEL: 81-59-2211-811  
TEL: 81-59-2211-829  
FAX: 81-59-2211-830