



## Technical Data Sheet

### XIAMETER™ MEM-1450 Emulsion

Aqueous emulsion of polyalkyl, alkylarylsiloxane

#### Features & Benefits

- Excellent for release of parts to be coated, painted, bonded or plated
- Emulsion stable to dilution and shear
- Efficient release agent (low amounts required)
- Designed for easy formulation with other release aids
- Designed for release of articles which require post-finishing

#### Applications

- Molding, casting and extrusion of aluminum and aluminum alloys

#### Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Property	Unit	Result
Suitable Diluent		Water
Color		Milky White
Non-volatile Content	wt%	55
PH range		6.5–8.5

#### Description

XIAMETER™ MEM-1450 Emulsion has been specially formulated for a wide variety of uses as a release agent. The silicone oil phase is compatible with many organic finishing agents (paints/coatings/adhesives). XIAMETER MEM-1450 Emulsion can be recommended for the release of articles where post-finishing is required.

#### How To Use

Wipe, brush or spray the emulsion in diluted form. Recommended starting dilution is from 1:10 to 1:100 (XIAMETER MEM-1450 Emulsion to water). To determine the best conditions of dilution and application on a test sample before use.

#### Post Finishing

Cleaning of the molded parts prior to finishing is still recommended.

UNRESTRICTED – May be shared with anyone

™ Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

XIAMETER™ MEM-1450 Emulsion

© 2017 The Dow Chemical Company. All rights reserved.

Handling  
Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT [WWW.CONSUMER.DOW.COM](http://WWW.CONSUMER.DOW.COM), OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Usable Life And  
Storage

Product should be stored between 0 to 50°C (32 to 122°F) in original, unopened containers.

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Not intended for human injection. Not intended for food use.

Health And  
Environmental  
Information

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, [www.consumer.dow.com](http://www.consumer.dow.com) or consult your local Dow representative.

<http://www.xiameter.com>

**LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY**

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow's sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

**TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, DOW SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.**

**DOW DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.**

