

# Product Information

## Release Coatings

# *Syl-Off*<sup>®</sup> 23A Catalyst, *Dow Corning*<sup>®</sup> 170 Catalyst, *Dow Corning*<sup>®</sup> 176 Catalyst

## FEATURES

### *Syl-Off* 23A Catalyst

- Standard cure
- For use at cure temperatures above 140°C (284°F)

### *Dow Corning* 170 Catalyst

- Slow cure

### *Dow Corning* 176 Catalyst

- Fast cure
- For use at cure temperatures below 140°C (284°F)

## COMPOSITION

- Organotin complex

Catalyst for *Syl-Off*<sup>®</sup> brand solvent-based, tin-catalyzed silicone release coatings

## APPLICATIONS

- Catalysts for *Syl-Off* solvent-based, tin-catalyzed release coatings

## TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

Test	Unit	Result		
		<i>Syl-Off</i> 23A Catalyst	<i>Dow Corning</i> 170 Catalyst	<i>Dow Corning</i> 176 Catalyst
Physical Form		Liquid	Liquid	Liquid
Color		Clear light straw	Clear to pale straw	Clear to pale straw
Diluent		Xylene	Perchloroethylene	None
Active Ingredient	%	50	50	100
Specific Gravity at 25°C (77°F)		0.97	1.005	1.31
Viscosity at 25°C (77°F)	cSt	2	-	-
Flash point, closed cup, minimum	°C (°F)	27 (80.6)	100 (212)	143 (290)

## DESCRIPTION

*Syl-Off*<sup>®</sup> 23A Catalyst is a 50 percent solids dispersion of an organotin complex in xylene.

*Dow Corning*<sup>®</sup> 170 Catalyst is a 50 percent dispersion of an organotin complex in perchloroethylene.

*Dow Corning*<sup>®</sup> 176 Catalyst is a 100 percent solids organotin complex.

## HOW TO USE

For formulation and application information, refer to the “*Syl-Off*<sup>®</sup> Brand Solvent-Based, Tin-Catalyzed Silicone Release Coatings Formulation Guide” (Form No. 30-025-01).

## HANDLING PRECAUTIONS

Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The material safety data sheet is available on the Dow Corning website at [www.dowcorning.com](http://www.dowcorning.com). You can also obtain a copy from your local Dow Corning sales representative or Distributor or by calling your local Dow Corning Global Connection.

## **USABLE LIFE AND STORAGE**

*Syl-Off*<sup>®</sup> 23A Catalyst has a shelf life of 24 months from date of manufacture when stored in original, unopened containers at or below 32°C (90°F).

*Dow Corning* 170 Catalyst has a shelf life of 24 months from date of manufacture when stored in original, unopened containers at or below 35°C (95°F). *Dow Corning* 176 Catalyst has a shelf life of 24 months from date of manufacture when stored in original, unopened containers at or below 32°C (90°F). Refer to product packaging for "Use By" date.

Containers of *Syl-Off* 23A Catalyst should be stored upright and under cover in a warehouse suitable for flammable materials.

Containers of *Dow Corning* 170 Catalyst should be stored upright and separated from other chemicals.

Containers of *Dow Corning* 176 Catalyst should be stored upright and separated from other chemicals. Store above 10°C (50°F); avoid freezing. If frozen, warm gently. Product performance is not affected.

## **PACKAGING**

These products are available in a variety of container sizes. Contact your local Dow Corning Customer Service representative for information about container sizes available in your area.

## **LIMITATIONS**

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

## **SHIPPING LIMITATIONS**

*Syl-Off* 23A Catalyst – DOT classification: Flammable.

## **HEALTH AND ENVIRONMENTAL INFORMATION**

To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

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

## **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 Dow Corning's 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 Corning's sole warranty is that the product will meet the Dow Corning 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.

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