



## Technical Data Sheet

### SYL-OFF™ 7040 Coating

Base polymer for SYL-OFF™ solventless release coating systems

#### Features & Benefits

- Addition cure
- Solventless
- Provides low release forces
- Non-migratory
- Does not interact with most adhesives, good stability against most acrylic adhesives
- Minimal post-cure
- Fast cure
- Premium (easy) release

#### Composition

- Hexenyl-functional, reactive siloxane polymer

#### Applications

- Release base for pressure sensitive laminate/labelstock
- Single and double-sided industrial release papers
- Coatings for liners of technical adhesive tapes
- Film coating

#### Typical Properties

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

Property	Unit	Result
Form	%	Liquid
Chemical Nature		Reactive siloxane polymer
Appearance		Clear liquid
Active Ingredient		100
Specific Gravity at 25°C (77°F)	g/cm <sup>3</sup>	0.97
Viscosity at 25°C (77°F)	cSt	200

#### Description

SYL-OFF™ 7040 Coating is a 100% active solids coating containing a low-viscosity hexenyl multifunctional silicone polymer. Contains low-temperature inhibitor. NOT pre-catalyzed. Designed for use with SYL-OFF™ 4000 Catalyst and a silicone crosslinker. Recommended for fast cure and stable release against aggressive adhesives, especially with low-temperature substrates.

## How to Use

In order to use this product effectively, it must be blended with the appropriate SYL-OFF™ release modifiers, catalysts, and crosslinkers. It is recommended to use the following formulations as a starting point for formulating with SYL-OFF™ 7040 Coating.

Component	Parts by Weight	
SYL-OFF™ 7040 Coating	92.76	94.54
SYL-OFF™ 7678 Crosslinker	5.46	
SYL-OFF™ 7682-000 Crosslinker		3.65
SYL-OFF™ 4000 Catalyst	1.78	1.82

More detailed information about the use of this SYL-OFF™ material and other SYL-OFF™ materials can be obtained from the technical service group.

## Food Contact Status

Certifications available upon request. For specific details, please contact Dow as regulations vary from country to country.

## Handling Precautions

Direct contact with eyes and skin may cause slight irritation, which can be relieved by flushing with water for 15 minutes. In the case of eye contact, seek medical attention.

Rubber gloves and safety glasses should be worn when handling this product.

Do not breathe spray or mist.

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 DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

## Usable Life and Storage

When stored at or below 30°C (86°F) in the original unopened containers, this product has a usable life of 12 months from the date of production. Contact your local customer service representative for information about container sizes available in your area.

## Packaging Information

This product is available in 180 kg containers.

## Limitations

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

## 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, [dow.com](http://dow.com) or consult your local Dow representative.

## **Disposal Considerations**

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

## **Product Stewardship**

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

## **Customer Notice**

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

dow.com

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