



## Technical Data Sheet

### SYL-OFF™ 7430 Release Coating

Solvent based, platinum-catalyzed silicone release coating

#### Features & Benefits

- As characteristics of solvent based products
  - Low coat weight easy to obtain on conventional equipment
  - Use of toluene as the diluents enables use in plants equipped with solvent recovery equipment
- Anchorage additive improves adhesion to PET Film
- Two component package

#### Applications

Formulations based on SYL-OFF™ 7430 Release Coating are suitable for use on paper or film in the following application:

- Release liners for pressure sensitive adhesive laminates and tapes
- Industrial release papers and films
- Casting papers
- In-line, double-sided and differential release applications

#### Typical Properties

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

Property	Unit	Result
Physical form		Viscous liquid
Appearance		Clear to slightly hazy
Diluent		Toluene
Active ingredients	%	30
Specific gravity		0.9
Viscosity at 25°C	mPa·s	15,000
Flash point, closed cup	°C	5
	°F	41

#### Description

SYL-OFF 7430 Release Coating is a 30 percent solids dispersion of a reactive siloxane polymer in toluene. The coating cures by an addition reaction in the presence of heat. SYL-OFF 7430 Release Coating is not pre-catalyzed. It is designed to be used with SYL-OFF™ 4000 Catalyst.

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SYL-OFF™ 7430 Release Coating

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## How To Use

The SYL-OFF 7430 Release Coating is suited for coating substrates with good solvent hold-out. Typical substrates include:

- Polyethylene coated Kraft
- Glassines
- PET Film
- Super calendared Kraft
- Clay-coated Kraft

Paper substrates need careful consideration. The pre-coat found on some substrates can affect the cure. It is important, therefore, that users check the compatibility of the silicone coating and the substrate.

## Bath Preparation

The coating cures by an addition reaction in the presence of heat. SYL-OFF 7430 Release Coating is not pre-catalyzed.

The following procedure is recommended for the preparation of the coating bath. Equipment should be clean and dry. Preferable construction is from stainless steel or glass.

1. Disperse SYL-OFF 7430 Release Coating in additional solvent diluents of toluene, heptanes or other aromatic/aliphatic solvent. The suggested bath solid are 5%~7% silicone on a weight basis.
2. Add catalyst SYL-OFF 4000 Catalyst and disperse thoroughly.

Table 1:

Typical formulations using SYL-OFF 7430 Release Coating

Component	Wt.%, parts
SYL-OFF 7430 Release Coating	100
SYL-OFF 4000 Catalyst	0.75
Toluene	500

NOTE: When transferring flammable liquids from one container to another, there is a fire risk due to static electric charge build-up. This risk is minimized by connecting both containers to a common ground.

## Bath Life

The life of the formulated bath viscosity varies considerably with bath concentration, the solvent, the specific formulation, and the temperature of the surroundings. Under normal conditions the bath should still be usable within 6 hours.

## 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.

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Usable Life And Storage	When stored at ambient temperature in the original unopened containers, this product has a usable life of 12 months from the date of production.
Packaging Information	SYL-OFF 7430 Release Coating is available in pail packaging of 18 Kg and drum packaging of 160 Kg.
Limitations	Shipping: DOT Classification: flammable.  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, <a href="http://www.consumer.dow.com">www.consumer.dow.com</a> or consult your local Dow representative.

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