



Technical Data Sheet

SYL-OFF™ SB-7559 Coating

FEATURES

- Fast cure for paper
- Low release force
- Provide stable release force
- Non-blocking release liner

BENEFITS

- Possible for produce double-sided PEK release liner

COMPOSITION

- Dimethyl, Methylvinyl Siloxane
- Toluene

Base polymer component for SYL-OFF™ SB-7559 Coating solvent-based silicone release coatings

APPLICATIONS

This product is suitable for use on general as well as specialty release substrates coated from solvent in the following applications:

- Release liners for pressure sensitive adhesive laminations/label stock
- Coating for liners of technical adhesive tapes
- In-liner, single and double-sided industrial papers
- Non-stick packaging

TYPICAL PROPERTIES

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

Property	Unit	Result
Type		Reactive siloxane
Physical Foam		Solvent dispersion
Appearance		Clear
Diluents		Toluene
Active Ingredients	%	45
Viscosity at 25°C (77°F)	cs	60,000
Flash Point, Closed Cup	°C	6

DESCRIPTION

SYL-OFF SB-7559 Coating is base polymer component with 45% solid of a reactive siloxane polymer in toluene.

HOW TO USE

SYL-OFF SB-7559 Coating is suited for coating substrates with good solvent hold-out. Typical substrates include Polyethylene 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

To use this product effectively, it must be blended with the appropriate SYL-OFF™ coatings, catalysts, and crosslinkers.

The coating cures by an addition reaction in the presence of heat. The following procedure is recommended for the preparation of the coating bath. Equipment should be clean and dry, preferably constructed from stainless steel or glass.

1. Disperse SYL-OFF SB-7559 Coating in the process solvent heptane, toluene or other aliphatic solvents. The suggested bath solids are 5 to 9% silicone on a weight basis.
2. Add crosslinker such as SYL-OFF™ 7672 Crosslinker and disperse thoroughly.
3. Add catalyst such as SYL-OFF™ 4000 Catalyst and disperse thoroughly again.

The following formulation is recommended as a starting point:

Component	Parts by Weight
SYL-OFF SB-7559 Coating	100
SYL-OFF 7672 Crosslinker	1.1
SYL-OFF 4000 Catalyst	0.8

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 25°C the bath should still be usable within 6 hours.

HANDLING

PRECAUTIONS

SYL-OFF SB-7559 Coating contains highly flammable solvent. Keep away from heat and open flames. Avoid prolonged breathing of vapor. Use with adequate ventilation in work areas.

Direct eye or skin contact may cause slight irritation, which can be relieved by flushing the eye with water for 15 minutes.

It is recommended that safety glasses and rubber or plastic gloves be worn when handling this product.

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

USABLE LIFE AND STORAGE

When stored at or below 35°C (95°F) in the original unopened containers, this product has a usual life of 12 months from the date of production.

PACKAGING INFORMATION

SYL-OFF SB-7559 Coating is available in pail packaging of 18 kg and drum packaging of 160 kg.

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, www.consumer.dow.com or consult your local Dow representative.

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SYL-OFF™ SB-7559 Coating

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