



Technical Data Sheet

SYL-OFF™ 7689 Crosslinker

Solvent-free silicone crosslinker for polyester substrates

Features & Benefits

- Solvent-free
- Superior anchorage crosslinker for SYL-OFF™ 9100 Series
- Suitable for use as crosslinker for release coatings on polyester substrates
- Stable release

Applications

- Crosslinker for filmic pressure sensitive laminate/labelstock.
- Crosslinker for single and double-sided industrial polyester release films.
- Crosslinker for coatings on polyester liners for technical adhesive tapes.

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 ³	0.99
Viscosity at 25°C (77°F)	mPa.s	200
Flash point – closed cup, minimum	°C (°F)	> 100 (> 212)

How to Use

Recommendations about how to use and formulate this product with other SYL-OFF™ materials are provided in the SYL-OFF™ 9100 Series formulation guide.

This SYL-OFF™ crosslinker is one component of a multicomponent silicone release coating system designed specifically for coating onto filmic substrates. In order to use this product effectively, it must be blended with the appropriate SYL-OFF™ coatings, SYL-OFF™ catalysts and SYL-OFF™ release modifiers. See the SYL-OFF 9100 series formulation guide for specific recommendations.

Handling Precautions

SYL-OFF™ 7689 Crosslinker evolves hydrogen gas slowly with time. The rate of evolution of gas can be increased when the material is catalyzed or when contaminated with water, bases, heavy metals or their compounds. Such mixtures must be kept in vented containers and adequate ventilation provided during use to prevent the accumulation of hydrogen gas in the work area. Care should also be taken when disposing of unused material (or unreacted mixtures containing this material), to store in vented containers, allow adequate ventilation, and avoid contamination with water, bases, heavy metals or their compounds.

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 (85°F), in the original unopened containers, this product has a usable life of 12 months from the date of production.

Vented containers must be stored upright and not exposed to direct sunlight for an extended period of time.

On storage, this material may emit small quantities of hydrogen gas.

Do not repackage or store in unvented containers. Adequately ventilate the storage area to prevent the accumulation of gas.

Limitations

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

Medical Status

This product may be suitable for medical applications without body/skin contact.

Food Contact Status

This product may comply with certain FDA, BGvV, Kosher or other regulatory agency requirements for food-contact applications.

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 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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