

SYL-OFF 7923 catalyst CAS68844-81-7 DOW

Product Overview

SYL-OFF 7923 is a platinum catalyst emulsion used to accelerate the curing of silicone release coatings. It is a clear, straw-colored liquid with a viscosity of 200 cSt at 25°C.

Scl-off 7923 is compatible with all SCL-OFF brand solvent-based and solvent-free release agents as well as platinum-cured silicone PSA.

Physical and chemical properties

Properties	value
CAS number	68844-81-7
Alias	Platinum catalyst emulsion for silicone release coatings
Molecular formula	C ₂₀ H ₂₂ Pt
Molecular weight	420.34 g/mole

Apply

SYL-OFF 7923 is used in a variety of applications, including:

Food packaging

Medical equipment

Electronics

Cars

Aerospace

Pros

The SYL-OFF 7923 has many advantages, including:

- It is compatible with a variety of silicone release agents.
- It speeds up the curing process, thus increasing the production speed.
- It reduces the required curing temperature, so energy can be saved.
- It produces a durable, stable release surface.

Method of manufacture

The manufacturing process of SYL-OFF 7923 involves the reaction of a platinum compound with siloxane. The reaction takes place in a controlled environment to ensure that the product meets the required specifications.

Precautions for use

SYL-OFF 7923 is a hazardous material and should be handled with care. Be sure to follow all safety precautions when using this product. Some precautions to take include:

- Wear personal protective equipment, such as gloves, goggles, and a respirator.
- Work in a well-ventilated area.
- Do not inhale steam or smoke.
- Avoid skin and eye contact.
- Dispose of waste properly.

The following table summarizes the physical and chemical properties of SYL-OFF 7923 in more detail:

Properties	value
Appearance	Clear, straw-colored liquid

Smell	A slight smell of siloxane
Ph (pH)	4.5-5.5
Specific gravity	0.98-1.00
Viscosity	200 cSt at 25°C
Flash point	>100° F
Spontaneous combustion temperature	450F
Solubility	Miscible with water, alcohols and ketones
Stable	Stable at room temperature
Hazard	Corrosive to skin and eyes. May be harmful if swallowed. The steam may irritate the respiratory system. May cause cancer.



Shelf life:

Remain unopened for two years

Storage and Transportation:

Should be sealed, stored in a dry cool ventilated warehouse

Packing:

200KG/ barrel storage: It is recommended to store in a dry and cool area with proper ventilation. After the original packaging, please fasten the packaging cover as soon as possible to prevent moisture and other substances from mixing and affecting the product performance. Do not inhale dust and avoid contact between skin and mucous membrane. Smoking, eating and drinking are prohibited in the workplace. Shower and

change after work. Store contaminated clothes separately and use them after washing.

Practice good hygiene.

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