

SYL-OFF 4000 catalyst CAS12791-27-8 DOW

Product Overview

Scl-off 4000 is a platinum catalyst used to accelerate the curing of silicone release coatings. It is a clear, straw-colored liquid with a viscosity of 400 cSt at 25°C. The SCL-OFF 4000 is compatible with all SCL-OFF brands of solvent-based and solvent-free release agents as well as platinum-cured silicone PSA.

Physical and chemical properties

CAS No. : 12791-27-8

Alias: Platinum catalyst for silicone release coatings

Molecular formula: C₂₀H₂₂Pt

Molecular weight: 420.34 g/mol

Application

The SYL-OFF 4000 is used in a variety of applications, including:

- Food packaging
- Medical equipment
- Electronics

- Cars
- Aerospace

Pros

The SYL-OFF 4000 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 the SYL-OFF 4000 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

Sci-off 4000 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.

Consult the Product Safety Data sheet for more information on the SYL-OFF 4000.

Shelf Life:

Remained 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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