

Technical Data Sheet

Brand Calsil
Market Chemicals
Product name Calsil IP 100.000 – 1.000.000

1. Product Description

Very high-viscosity industrial fluids composed of polydimethylsiloxane polymer.

2. Key Properties

- Efficient foam control in non-aqueous demanding industrial process, e.g. Oil & Gas
- Long-lasting dielectric water repellent and weather-resistant properties
- Low surface tension and release properties
- High compressibility and high dampening properties
- High flash point, good heat stability, low fire hazard, inert and non-toxic
- Soluble in many industrial solvents
- Stable physical properties from -40° to +200°Celsius

3. Benefits

- Excellent foam control and release agent even at small concentration
- Heavy-duty component in maintenance & repair, dielectric, release & lubricating fluids

4. Applications

May be used in a wide range of industrial and regulated applications :

- As antifoam in non-aqueous fluids, e.g. Oil & Gas, petroleum processing, this is a very effective antifoam even at very low concentration (from 1 to 10 ppm) diluted in standard industrial solvents and added in the process to prevent/remove foam.
- Formulated as release agent: in a variety of emulsified and dispersed forms such as lubricant release agent.

5. Typical Properties (not for sales specifications)

Properties	Units	IP 100.000	IP 300.000	IP 500.000	IP 1.000.000
Appearance		Clear Liquid	Clear Liquid	Clear Liquid	Clear Liquid
Viscosity	mm ² /s at 25°C	100.000	300.000	500.000	1.000.000
Specific gravity	At 25°C	0,977	0,977	0,977	0,978
Refractive Index	At 25°C	1,403	1,403	1,403	1,403
Flash Point	°C, Open cup	>320	>320	>320	>320
Surface Tension	Dynes/cm	21,6	21,6	21,6	21,6

6. Handling

This document does not contain safety precautions. Before handling this material, please read the Material Safety Data Sheet, check the label on the container, and conform to the safety, physical and hazard guidelines and precautions. The Material Safety Data Sheet is available from your nearest CALDIC office.

7. Storage and Shelf Life

This product should be stored in its original unopened containers at a temperature above 0°C and below 35°C. It can be used within the 36 months following its production date.

8. Packaging

Available in 1.000 kg IBC, 200 kg Drums and 25 kg Pails.

9. Restrictions


This ingredient is solely proposed in technical applications.

It is not suitable to be used in medical, human injection or pharmaceutical applications.

10. Limited Warranty PLEASE READ CAREFULLY

- The information herein is offered in good faith. It is believed to be accurate at the time of shipment.
- It should not be used as a substitute for the customer's test, the customer bears the responsibility to ensure that the product matches the intended application is safe and achieves the desired benefits.
- The product warranty is limited to the refund value of the purchase or the replacement only when it is demonstrated that the product is out of the agreed sales specifications.
- Calsil is a registered trademark of CALDIC BV. All rights reserved.

For more information, please contact our nearest office

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