



## Technical Data Sheet

### CALSIL PASTE 5 HVI

<b>Brand</b>	CALSIL
<b>Market</b>	Machinery & Equipment
<b>Product name</b>	CALSIL PASTE 5 HVI

#### 1. Product Description

CALSIL PASTE 5 HVI is water repellent, non-melting silicone grease developed to meet the special requirement of High Voltage insulator coating.

#### 2. Key Properties

- NLGI Consistency : N.4
- Excellent work stability
- Can be used from –50°C to +200°C
- Excellent water repellence
- Non Melting even in hot climates
- Non corrosive to metals

#### 3. Applications

- Protection of high voltage electrical insulators.
- Electrical insulation of electrical connection boxes in polluted atmospheres.
- Protection of circuit breakers at the top of pylons, cable terminals and other electrical distribution accessories in corrosive atmospheres.

Typical Properties (not for sales specifications, please contact us prior to writing sales specs)

Properties	Units	Values
Chemical composition		Silicone grease
Appearance		Filamentous grease
Color		Translucent
Worked penetration at 25°C ASTM D 217 – 68		175 - 205
NLGI consistency		N. 4
Specific gravity at 25°C approx		1.1
Freezing point	°C	– 50
Boiling point	°C	ND
Flash point	°C	> 320
Drop point	°C	None
Service range	°C	– 40 + 200
Dielectric constant at 25° C and 10 <sup>2</sup> Hz		2.74

## 4. How to Use

May be applied as received by brushing onto insulators this will give a coating of approximately 0.5mm on a horizontal surface.

If preferred, the product can be applied as 30% dispersion in organic solvent by spraying which will give a coating of approximately 0.25mm in a single pass without sagging or runs. After allowing a short time for the solvent to evaporate, subsequent coats can be applied. Insulators should be cleaned before application.

In all cases the insulator should be polished with a clean rag charged with CALSIL PASTE 5 HVI to force the grease into intimate contact with the surface; thus ensuring subsequent layers; however they are applied; are well bound to the surface.

## 5. Compatibility

Silicone Oils and Phenyl Trimethicone	Compatible
Aliphatic Solvents	Soluble
Aromatic Solvents	Soluble
Water	Insoluble
Mineral Greases	Not compatible
EPDM-EPM-NBR-SBR-NR-IR-BR-IIR	Compatible
MFQ-MPQ-MPVQ-MQ-MVQ	Not compatible
Gas	Not compatible
Liquid gas	Not compatible
Contact with drinking water	Yes
Incidental food contact	Yes
Water washout resistance	Yes
Resistance to fuels (oil, gasoline, Diesel oil, ...)	No
Resistance to polar liquid	Yes
Resistance to no polar liquid	No

## 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 between +5 °C and + 40°C. It can be used within the 2 years following its production date.

## 8. Packaging

Available in 5 Kg

## 9. Restrictions

This ingredient is solely proposed in the above listed applications.  
It is not suitable to be used in medical, human injection, pharmaceutical or food 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<sup>™</sup> is a registered trademark of CALDIC BV. All rights reserved.

For more information, please contact our nearest office

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