

Technical Data Sheet

CALSIL PASTE SL 431

Brand	CALSIL
Market	Machinery & Equipment
Product name	CALSIL PASTE SL 431

1. Product Description

CALSIL PASTE SL 431 is a polydimethylsiloxane oil based silicone paste with inert fillers.

2. Key Properties

- NLGI consistency : N.0
- Self-Levelling

3. Benefits

- Low temperature resistance (- 60°C).
- Resistance to acidic atmospheres.
- Self-levelling paste.
- Chemically inert on most substances.
- Hydrophobic.

4. Applications

- Protection of electrical equipment (on board terminal boxes, connectors) against humidity and corrosive atmospheres.
- Various low temperature sealing applications.
- Protection against the cold for formed in place gaskets.
- Lubrication of small mechanisms operating at extreme temperatures (- 60°C + 200°C) such as in air conditioning or refrigerated chambers.
- Lubrication of aluminium on steel or of aluminium on itself.

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		355-385
NLGI consistency		N. 0
Specific gravity at 25°C approx		1.1
Freezing point	°C	- 65
Boiling point	°C	ND
Flash point	°C	> 320
Drop point	°C	None
Service range	°C	- 60 + 200
Dielectric constant at 25° C and 10 ² Hz		2.60

5. How to Use

It is recommended to be applied on clean and dry surfaces (degreased if necessary).

CALSIL PASTE SL 431 could be applied with a brush, with a paint brush, with a spatula or with a paste gun.

6. 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

7. 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.

8. Storage and Shelf Life

This product should be stored in its original unopened containers at a temperature between +2 °C and + 50 °C. It can be used within the 36 months following its production date.

9. Packaging

Available in:

- 25 Kg pails
- 100 Gr. tubes

10. 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.

11. 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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