

# SILBIONE® Paste 70428

## Description

**SILBIONE Paste 70428** is a mixture of polydimethylsiloxane oil and inert filler. This paste is recommended for lubricating installations and equipment to process or package foodstuffs. It can therefore, occasionally, be in contact with foodstuffs.

The composition of **SILBIONE Paste 70428** meets the regulations in force in the following countries:

**FRANCE** : Brochure n° 1 227 of the Journal Officiel de la République Française. For aqueous contact only.

Tolerated provided the user checks that the paste does not penetrate into the foodstuffs and that if the machinery overheats it does not release any substances which might affect the foodstuff.

**NB**: *BLUESTAR SILICONES* has checked, by heating **SILBIONE Paste 70428** at 150 °C for 24 hours, that the product does not release any toxic substances.

Circular of 26 Mai 1971 on materials in contact with foodstuffs.

**GERMANY**: Bundesgesundheitsamt Recommendations BGA chapter XV A on « Silicones ». Tolerated provided the user checks that the product does not affect either the odour or the taste of foodstuffs with which it might be in contact.

**USA**: FDA Regulations under paragraph 178 3570 of the Code of Federal Regulations, part 21, on « Lubricants with incidental food contact ».

For other countries, please consult us.

## Advantages

- Good heat stability
- Little variation in consistency over a wide temperature range (between - 40°C and + 200 °C).
- Hydrophobic\*
- Non-toxic

*\*This characteristic reinforces the function of protection against moisture.*

## Examples of applications

- Lubrication of the moving parts of machines and equipment for processing or packaging foodstuffs.
- Lubrication of taps, valves, etc.
- Lubrication of small domestic appliances.

## Characteristics

Appearance.....	Translucent paste
Colour.....	pale grey
Specific gravity at 25 °C, approx.....	1.10
Worked penetration, approx..... (ASTM D 217)	430
Penetration after 24 hrs rest, approx.....	400

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Loss in 24 hrs at 200°C, %..... < 3  
(MIL-S-8660 B specification)

Flash point (closed cup), °C, approx..... 240

Minimum and maximum working temperatures, °C,  
approx..... - 40 to + 200

**Solubility :**

**SILBIONE Paste 70428** is dispersible in aromatic (toluence, xylene, etc.), aliphatic (white spirit, cyclohexane, etc.) and chlorinated hydrocarbons (carbon tetrachloride, perchlorethylene, etc.) and ethers (ethyl ether, petroleum ether, etc.).

It is insoluble in water, methanol, ethanol, acetone, ethylene glycol and glycerine.

**Uses**

**Preparing surfaces**

Surfaces to be treated with **SILBIONE Paste 70428** should be thoroughly cleaned, and all dust and grease removed.

**Applying the paste**

**SILBIONE Paste 70428** should be applied in a thin coating (< 1 mm) with a pad, brush or spatula. Apply as evenly as possible.

To make application easier, **SILBIONE Paste 70428** may be thinned with the solvents recommended above, provided their use is permitted by law.

**NB:** *To ensure optimum efficacy of **SILBIONE Paste 70428**, it should be used only under a light to moderate load.*

**Warning**

BLUESTAR guarantees the properties given for this SILBIONE PASTE. We cannot however guarantee the behaviour of this paste or the application made by the user, since we have not control over the conditions of application, or the process according to which a test can be made.

**Packaging**

**SILBIONE Paste 70428** is supplied in :

- 100 g on pallets of 1600 units
- containers of 5kg on pallets of 48 units
- pails of 25 kg on pallets of 10 units

**Storage and shelf-life**

When stored in its original unopened packaging at a temperature between + 2°C and + 50°C, **SILBIONE Paste 70428** must be used within 24 months before the expiry date shown on the packaging. Once this expiry date is past, Rhodia Silicones no longer guarantees the conformity of the product with the sales specifications. Furthermore, **SILBIONE Paste 70428** should be stored in a cool, dry place.

**Safety**

Consult the Safety Data Sheet for **SILBIONE Paste 70428**.

Visit our website [www.bluestarsilicones.com](http://www.bluestarsilicones.com)

 **EUROPE**

*Bluestar Silicones France  
21 Avenue Georges Pompidou  
F69486 Lyon Cedex 03  
FRANCE  
Tel. (33) 4 72 13 19 00  
Fax (33) 4 72 13 19 88*

 **NORTH AMERICA**

*Bluestar Silicones USA  
2 Tower Center Boulevard  
Suite 1601  
East Brunswick, NJ 08816-1100  
United States  
Tel. (1) 732 227-2070  
Fax. (1) 732 249-7000*

 **LATIN AMERICA**

*Bluestar Silicones Brazil Ltda.  
Av. Maria Coelho Aguiar, 215  
Bloco G – 1º andar  
05804-902-Sao Paulo – SP- Brazil  
Tel. (55) 11 37477887*

 **ASIA PACIFIC**

*Bluestar Silicones Hong Kong  
Trading Co. Ltd  
29th Floor, 88 Hing Fat Street  
Causeway Bay  
Hong Kong  
Tel. (852) 3106 8200  
Fax (852) 2979 0241*

**Warning to the users**

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