

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: ELKEM 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.

- 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.

- Key benefits**
- 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.

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

Please note: The typical properties are not intended for use in preparing specifications. Please contact our local Sales Department for assistance in writing specifications.

Instruction of use

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

Applying the paste

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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

ELKEM 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 no control over the conditions of application, or the process according to which a test can be made.

Regulation	Extensive toxicology testing on SILBIONE® products has demonstrated their adequate biocompatibility and suitability for the recommended applications. SILBIONE PASTE 70428 satisfies regulatory requirements in several countries and complies with a number of medical and pharmaceutical regulations. Contact Elkem Silicones for more detailed information.
Limitations	Please consult your local ELKEM SILICONES sales office.
Packaging	<ul style="list-style-type: none"> • SILBIONE PASTE 70428 is available in <ul style="list-style-type: none"> ○ Piece of 0.1 KG (0.22 LB)
Storage and shelf life	When stored in its original packaging: SILBIONE PASTE 70428 may be stored at a temperature below 40°C / 104°F for up to 36 months from its date of manufacturing. Comply with the storage instructions and expiration date marked on the packaging. Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications.
Safety	Please consult the Safety Data Sheet of: SILBIONE PASTE 70428

Visit our website www.elkem.com/silicones/

Warning to the users

The information contained in this document is given in good faith based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third party rights through the use of our products. ELKEM SILICONES guarantees that its products comply with its sales specifications. This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for given use. Determination of the suitability of product for the uses and applications contemplated by users and others shall be the sole responsibility of users. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorisations. Users are requested to check that they are in possession of the latest version of this document and ELKEM SILICONES is at their disposal to supply any additional information.