

## PRODUCT DATA

# LUSIN® LUB UH1 96-402

White high-temperature lubricating and assembly paste

### Benefits:

- high performance lubricating and assembly paste authorized in accordance with USDA-H1
- free from metals
- excellent low-temperature behaviour
- good corrosion protection
- neutral towards alloyed steels
- temperature limit 1200 °C
- water pollution category 1

### Typical Performance characteristics

Colour	White
Service temperature range, °C, approx.	-40 to 1200 >200 °C dry lubrication
Density, DIN 51 757, at 20 °C (g/cm <sup>3</sup> ), approx.	1.58
Base oil viscosity, DIN 51 561, at 40 °C, (mm <sup>2</sup> /s)	400
Drop point, DIN ISO 2176, °C	>250
Worked penetration at 25 °C, DIN ISO 2137 –ASTM D 271) 0,1 mm	265-295
Corrosion behaviour, SKF Emcor test, DIN 51 802, 1 week, dist. water, rating	0/1
Pressfit, friction coefficient	0,10 no stick slip
Four-ball tester, welding load, DIN 51 350 pt 4, N	>2500

### Product description

LUSIN® LUB UH1 96-402 is a white, metal-free high-temperature lubricating and assembly paste authorised in accordance with USDA-H1. It contains a fully synthetic base oil and a mixture of inorganic solid lubricants. The raw materials do not contain heavy metals or sulphur. LUSIN® LUB UH1 96-402 was especially developed as a lubricating and assembly paste for machines used in the food processing and pharmaceutical industries. Up to a temperature of 160 °C its tribological behaviour is mainly determined by the base oil.

In the normal temperature range LUSIN® LUB UH1 96-402 provides good protection against corrosion and is very resistant to water. The friction coefficient in accordance with Tannert is approx. 0.1 at 300 N. This paste adheres very well to metal surfaces and prevents stick slip when assembling pressfit machine elements. The solid lubricant particles become effective if the components are subject to increased temperatures for an extended period. In a dry condition LUSIN® LUB UH1 96-402 is suitable for temperatures up to 1200 °C.

### Application

LUSIN® LUB UH1 96-402 is suitable for a variety of friction points in food processing machines which are subject to high loads.

#### As an assembly paste

- for bolts, pins, bushings, etc

#### As a lubricating paste

- for guide rails, hinges, rollers, chains, etc

#### As a lubricating paste preventing fretting corrosion

- for rolling and plain bearing seats, etc

### Application notes

Before applying LUSIN® LUB UH1 96-402 it is important to clean and degrease the contact surfaces thoroughly. A thin layer of the paste is then applied by brush or synthetic sponge.

LUSIN® LUB UH1 96-402 spreads easily over the entire surface and thus prevents over-lubrication. We recommend carrying out compatibility tests before applying the paste to plastic materials.

**Shelf life** : 2 years

### Storage / Handling

For further information on storage, handling, hazards, etc. please refer to safety data sheet.

### Packaging

- spray 400 ml : 12 spray cans per box)

Code N° : 151030

- Paste : 80 g tube

750 cartridge

Code N° : 254050

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### Further Information

Request information on our complete range of materials for this industry.

<sup>1</sup> † While the technical information and suggestions for use contained herein are believed to be accurate and reliable, nothing stated in this bulletin is to be taken as a warranty either expressed or implied.