

Klüberalfa XZ 3-1

Dispersant, solvent and detergent



Benefits for your application

- Improves the adhesion of PFPE lubricants on metal surfaces
- Facilitates removal of PFPE lubricants
- Facilitates application of PFPE lubricants in dispersed form

Description

Klüberalfa XZ 3-1 is a rapidly evaporating dispersant, solvent and detergent for use in combination with PFPE lubricants.

Its chemical composition is similar to that of perfluorinated polyether (PFPE). For this reason, lubricants based on PFPE are solved or dispersed in Klüberalfa XZ 3-1.

Klüberalfa XZ 3-1 is not a chlorinated fluorocarbon (CFC) and is therefore not subject to the CFC/halon prohibition ordinance.

Application

As solvent and detergent:

Klüberalfa XZ 3-1 may be used to clean friction points prior to the application of PFPE products such as BARRIERA L55/2. When used on clean surfaces, both the adhesion and the performance of such lubricants are significantly improved.

To attain optimum lubrication results, we recommend cleaning the friction point prior to initial application first with white spirit 180/210 and then with Klüberalfa XZ 3-1. Prior to initial lubrication, the friction point should be bright (i.e. free of any residues) and free of dirt particles.

As a dispersant:

PFPE greases dispersed with Klüberalfa XZ 3-1 are used for minimum-quantity lubrication of bearings, chains, small gears, seals and many other components.

With Klüberalfa XZ 3-1, the active substance content in dispersions of the Klüberalfa product family can be adjusted to individual needs without difficulty.

Due to its high dispersive capacity, Klüberalfa XZ 3-1 is used as a flushing fluid to remove used PFPE grease from components that are difficult to clean.

The cleaned surfaces remain free of grease and bright. It may be advisable to protect them against corrosion after cleaning.

Food-processing and pharmaceutical industries:

Klüberalfa XZ 3-1 is NSF H1 registered and therefore complies with FDA 21 CFR § 178.3570. The product was developed for incidental contact with products and packaging materials in the food-processing, cosmetics, pharmaceutical or animal feed industries. The use of Klüberalfa XZ 3-1 can contribute to increase reliability of your production processes. We nevertheless recommend conducting an additional risk analysis, e.g. HACCP.

Application notes

To prevent evaporation losses of the product, the container should be tightly closed after use.

Behaviour towards elastomers and plastics

When in contact with Klüberalfa XZ 3-1 for a relatively short time, elastomers or plastics are in general not expected to suffer damage. Nevertheless we recommend testing compatibility with the material to be used, especially prior to series application.

Material safety data sheets

Material safety data sheets can be requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	Klüberalfa XZ 3-1
Canister 1 l	+
Canister 10 l	+



Klüberalfa XZ 3-1

Dispersant, solvent and detergent

Product data	Klüberalfa XZ 3-1
Article number	810033
NSF-H1 registration	141 495
Chemical composition, solvent	PFPE
Colour space	colourless
Texture	liquid
Density, DIN 51757, 20 °C	approx. 1.68 g/cm ³
Boiling point of solvent	approx. 55 °C
Evaporation time at room temperature, surface 70 cm ² , net weight 3.0 g	6 min
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	60 months

Klüber Lubrication – your global specialist

Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 80 years.

**Klüber Lubrication München SE & Co. KG /
Geisenhausenerstraße 7 / 81379 München / Germany /
phone +49 89 7876-0 / fax +49 89 7876-333.**

The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

Publisher and Copyright: Klüber Lubrication München SE & Co. KG. Reprints, total or in part, are permitted only prior consultation with Klüber Lubrication München SE & Co. KG and if source is indicated and voucher copy is forwarded.