

FOOD GREASE MULTI

DESCRIPTION

This grease is a high performance multi-purpose food grease. It is an aluminium complex thickened lubricating grease based on pharmaceutical grade white oils and polymers. The grease contains antioxidants and EP/AW additives.

The all-round properties of this product makes it very suitable for various types of bearings operating at low to medium speeds, including heavily loaded applications present in the food industry, where there is a possibility of incidental or accidental food contact.

PROPERTIES

- Excellent resistance to shock loads.
- Very high performance in the presence of water and steam.
- Excellent multi-purpose food grease for a wide range of different applications.
- Excellent water resistance.
- Heavy load carrying capacity.
- Good rust and corrosion protection.
- Has good oxidation stability.

FIELD OF APPLICATION

- Intended for general lubrication of machine parts with slow to medium speed movements and light to heavy loads in the food, beverage and pharmaceutical industry.
- Especially suitable for the lubrication of food industry machines.
- Applications includes lubrication of slow to medium speed bearings, shafts, chains, slide ways and open gears in food processing machines, as well as in other industries where contamination with a lubricant is to be prevented, i.e. the textile industry.

USER INSTRUCTIONS

Can be applied manually, or by using standard grease gun or via a central lubricating system designed for and capable of pumping an NLGI 2 grease. Consult a qualified centralised lubrication systems engineer before installation. As with all greases used for the first time, check compatibility with the grease applied previously and if necessary purge area prior to application. Likewise, as a general rule, take care not to over-lubricate and apply the quantity of grease recommended by the manufacturer. When opening buckets or barrels, parts of the oil can be seen on the surface due to the fact that lubricating grease under pressure (autogenously pressure is sufficient) bleeds oil. This oil can never be mixed into the grease again without floating back to the surface eventually if it is mixed down. It is completely normal and you can pour off the oil if you like, but the best is to do nothing at all because it will minimize the risks that you get dirt and impurities in the grease. Leave the lid on at all times, to minimize contamination risks. Particles that can be in the air may seem small, but compared with the lubricating film size they can be large.


FOOD GREASE MULTI – FGM – 146
Art.no. 20510

Signature: JH

Date: 2022-04-04

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TECHNICAL DETAILS

| | | | |
|---------------------------------------|---|--|---|
| Packaging: | 420ml cartridge: Art.no. 20510 | Accessories: | Grease Gun Pro: Art.no. 15280 |
| Colour: | White. | ISO 12924: DIN 51502: | L-XB(F)CDB2 KP2K-20 |
| Appearance: | Smooth grease. | Water resistance at 90°C: | 0 (DIN 51807:1) |
| Odour: | None. | Water washout at 79°C: | <10% (ISO 11009) |
| Basic oil: | Pharmaceutical white oils. | Lubrication ability SKF R2F test B (120°C): | Pass (SKF) |
| Base oil viscosity: | 550 mm ² /s @ 40°C. / 53 mm ² /s @ 100°C (ASTM D 7152) | Density (20°C): | 0,92 g/cm ³ (IP 530) |
| Thickener: | Aluminium complex. | VOC (directive 2010/75/EU): | 0% |
| NLGI class: | 2 (ASTM D217 mod) | 4 balls EP Weld load: | 6000 N (DIN 51350:4) |
| Penetration 60 strokes: | 265 – 295 (ISO 2137) | Flow pressure -20°C: | <1400 mBar (DIN 51805 mod) |
| Dropping point: | >230°C (IP 396) | Shelf life (temp.) months (+5°C to +25 °C): | 36 months |
| SKF Emcor WWO distilled water: | >1-1 (ISO 11007) | Certificate/Registration: | GREEN WORLD, NSF H1, KOSHER, HALAL. |
| User Instruction: | Scan the QR-code for video and other information. | Temperature resist: | -20°C to +120°C (intermittent +130°C) |
| | | Others: | In compliance with the legal regulations, please see current Material Safety Data Sheet. https://veidec.com/en/msds |



CERTIFICATES



GREEN WORLD; Has low impact on user and the environment, and is not classified.



NSF-registered H1 165633
<http://www.nsf.com/USDA/letters/165633.pdf>



Star-K Kosher Certification



Halal Certification

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Normal properties of typical grease types without manufacturing modification or additive treatment (table).

| Type Grease Base | Usual appearance | Mechanical stability | Cold weather pumpability | Heat resistance | High temp. Life | Water resistance |
|------------------------------------|-------------------|----------------------|--------------------------|-------------------|-----------------|-------------------|
| Calcium (lime soap) | Buttery | Good | Fair | Fair | Poor | Excellent |
| Sodium (soda soap) | Fibrous or spongy | Fair | Poor | Good to Excellent | Fair | Poor |
| Barium | Fibrous | Good | Poor | Excellent | Fair | Excellent |
| Lithium (12 hydroxystearate) / TAB | Buttery | Excellent | Good to Excellent | Good to Excellent | Good | Excellent |
| Lithium complex / TAR | Buttery | Excellent | Good to Excellent | Excellent | Excellent | Excellent |
| Calcium complex | Buttery to grainy | Good | Fair | Good | Fair | Good to Excellent |
| Aluminium complex | Buttery to grainy | Good to Excellent | Good | Excellent | Fair | Excellent |
| Non-soap (bentonite) | Buttery | Good | Excellent | Excellent | Good | Good |
| Polyurea | Buttery | Good | Good | Excellent | Excellent | Excellent |
| Calcium sulphonate complex | Buttery to grainy | Good | Good | Excellent | Excellent | Excellent |

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Relative compatibility rating grease types (table)

| Thickener type | Aluminium complex | Barium complex | Calcium stearate | calcium 12-hydroxy | Calcium complex | Calcium sulphonate complex | Clay (non-soap bentonite) | Lithium stearate | Lithium 12-hydroxy | Lithium complex | Polyurea (conventional) | Polyurea (lubrilife) |
|----------------------------|-------------------|----------------|------------------|--------------------|-----------------|----------------------------|---------------------------|------------------|--------------------|-----------------|-------------------------|----------------------|
| Aluminium complex | X | I | I | C | I | B | I | I | I | C | I | C |
| Barium complex | I | X | I | C | I | C | I | I | I | I | I | B |
| Calcium stearate | I | I | X | C | I | C | C | C | B | C | I | C |
| calcium 12-hydroxy | C | C | C | X | B | B | C | C | C | C | I | C |
| Calcium complex | I | I | I | B | X | I | I | I | I | C | C | C |
| Calcium sulphonate complex | B | C | C | B | I | X | I | B | B | C | I | C |
| Clay (non-soap bentonite) | I | I | C | C | I | I | X | I | I | I | I | B |
| Lithium stearate | I | I | C | C | I | B | I | X | C | C | I | C |
| Lithium 12-hydroxy / TAB | I | I | B | C | I | B | I | C | X | C | I | C |
| Lithium complex / TAR | C | I | C | C | C | C | I | C | C | X | I | C |
| Polyurea (conventional) | I | I | I | I | C | I | I | I | I | I | X | C |
| Polyurea (lubrilife) | C | B | C | C | C | C | B | C | C | C | C | X |

B = Borderline C = Compatible I = Incompatible

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