ALLPLEX FMG US Series

Aluminum complex thickened semi-synthetic lubricating greases for food processing applications

Benefits for your application

- **General purpose grease for food processing, beverage, and pharmaceutical applications**
- **Good wear protection properties**

Description

The ALLPLEX FMG US Series are aluminum complex thickened semi-synthetic lubricating greases created specifically for the food, beverage, and packaging industries. The aluminum complex thickener system provides excellent water resistance and a broad operating temperature range. The special additive packages provide excellent anti-wear/extreme pressure properties, oxidation resistance, and corrosion prevention. Special additives are employed to keep the greases in place between wash-down cycles which improve equipment and lubricant life in wet conditions.

Application

The ALLPLEX FMG US Series are ideal for lubrication of production equipment in beverage canning operations, bottling operations, meat and poultry processing, dairy operations, fruit and vegetable processing, bakeries, and pharmaceutical plants.

Application notes

The ALLPLEX FMG US Series may be applied by brush, spatula, grease gun or grease cartridge. Avoid over-lubrication.

Before applying the ALLPLEX FMG US Series, the lubrication points should be thoroughly cleaned to ensure maximum hygiene, which is mandatory for H1 lubrication.

If the production process does not allow the machines and components to be cleaned, the grease can be replaced by relubrication. In this case, perfect H1 lubrication is only achieved after a certain time.

Please check with our Technical Consulting and Sales Department regarding the miscibility of our lubricants.

Material safety data sheets

You can obtain material safety data sheets through your contact person at Klüber Lubrication.

Pack sizes	ALLPLEX FMG US Series
Cartidge	14 oz
Pail	35 lb
Keg	120 lb
Drum	396 lb

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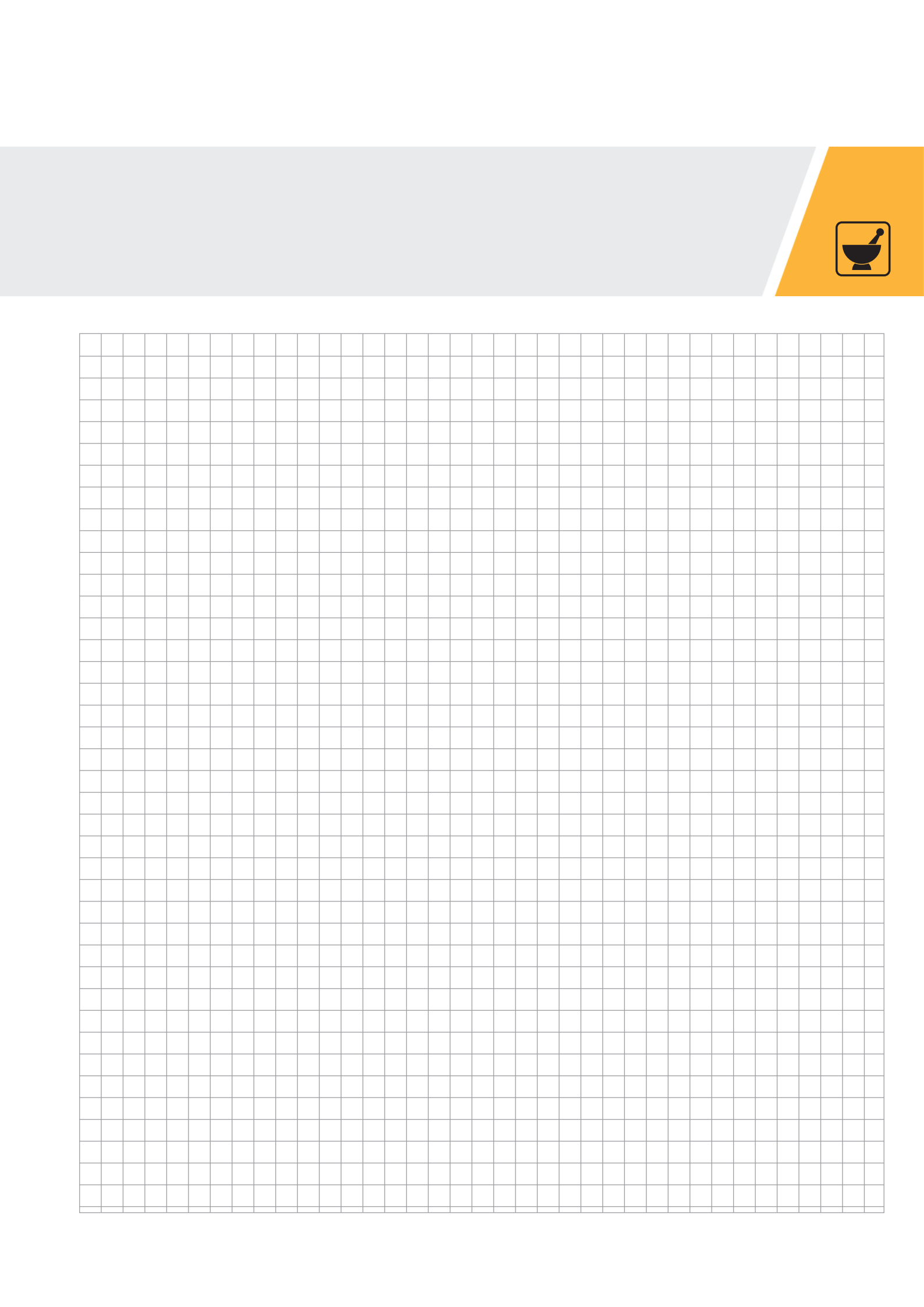
Product data	ALLPLEX FMG-0 US	ALLPLEX FMG-1 US	ALLPLEX FMG-2 US
Color	White to slightly off white	White to slightly off white	White to slightly off white
Texture	Homogenous	Homogenous	Homogenous
Base Oil	Mineral Oil/PAO	Mineral Oil/PAO	Mineral Oil/PAO
Base Oil Kinematic Viscosity, ASTM D 446 at 40 °C (cSt)	138	138	138
Base Oil Kinematic Viscosity, ASTM D 446 at 100 °C (cSt)	17.5	17.5	17.5
Base Oil Kinematic Viscosity, ASTM D Viscosity Index	140	140	140
Thickener Type	Aluminum Complex	Aluminum Complex	Aluminum Complex
Density at 20°C (g/m3)	0.91	0.95	0.97
Service Temperature Range (°C)	-35°C to 148°C (300°F)	-35°C to 148°C (300°F)	-30°C to 148°C (300°F)
NLGI Class	0	1	2
Drop Point (°F), ASTM D2265	210 °C (410°F)	250°C (482°F)	270°C (518°F)
Penetration, ASTM D217 Worked 60 dbl strokes 100,000 dbl strokes	 370 380	 320 350	 280 308
Oil Separation, ASTM D6184 (% wt)	< 10	< 7	< 3
4-Ball Wear, ASTM D2266 (mm)	0.45	0.45	0.47
4-Ball Load Wear Index Last non-seizure Load (kg) Weld Load (kg)	37.9 80 250	48.9 100 315	64.3 100 400
Corrosion Preventative Properties, ASTM D1743	N/A	Pass	Pass
Water Washout, ASTM D1264	N/A	9%	3%
NSF Registered	H1 (pending)	H1	H1
Minimum shelf life – if product is stored in its unopened container in a dry, frost-free place, approx.	5 years	5 years	5 years



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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.

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Freudenberg
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