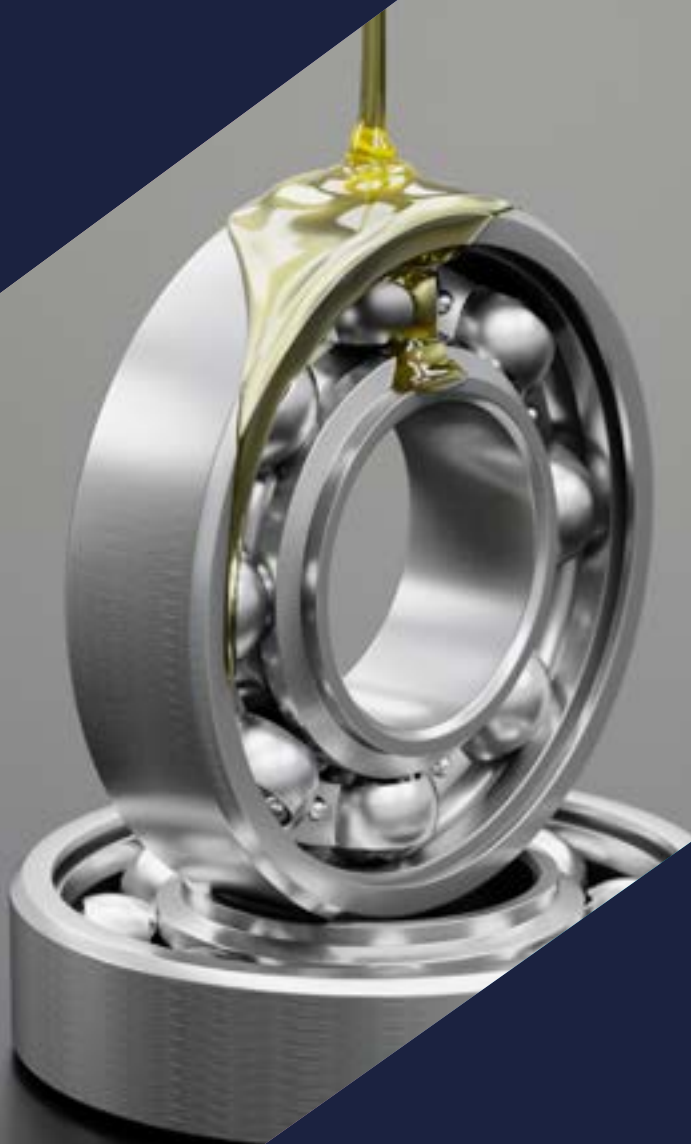


SEQENS

ADVANCED SPECIALTIES

KELICO® V 0046

High tech biodegradable grease



CONTINUUM OF PROGRESS

KELICO® V0046 is an overbased complex calcium sulfonate biodegradable base for environmentally acceptable greases' formulations.

KELICO® V0046 has good Extreme Pressure performances, thermal resistance, water tolerance as well as excellent anticorrosion properties also in the presence of sea water.

KELICO® V0046 is fluid base suitable to

formulate good pumpability biodegradable greases used to lubricate bearings with centralised lubrication systems.

KELICO® V0046 is particularly designed for uses in agriculture field, forestry and marine equipment where product is lost in natural environment.

KELICO® V0046 performances can be improved with additional additives for very specific applications.

KELICO® V0046 features:

- Readily biodegradable
- Excellent anticorrosion performances
- Good water resistance

Characteristics

PROPERTIES/UNIT	METHODS	TYPICAL VALUE
NLGI Grade	-	0
Texture	Visual	Smooth
Color	Visual	Light brown
Base oil	-	Ester
Biodegradability (%)	OECD 301 B	> 60
Base oil viscosity at 40°C(mm2/s) at 104 °F (cSt)	ASTM D 445	46
Dropping point °C (°F)	ASTM D 2265	>350 (> 662)
4-Balls EP-Weld Load - kg (Lb)	ASTM D 2596	400 (881)
4-Balls Wear, scar diameter - mm (inch)	ASTM D 2266	0.6 (0.021)

The above values are representative of a current production. They are not specifications.

Inventory status

EINECS Europe	TSCA USA	DSL Canada	ENCS Japan	AICS Australia	ECL Korea	IECSC China	CSNN Taiwan
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Performances

PROPERTIES	METHODS	TYPICAL VALUES
Water Wash Out at 38 °C (% loss) at 100 °F	ASTM D 1264	9
Water Wash Out at 79 °C (% loss) at 174 °F	ASTM D 1264	12
Cone Penetration at 25°C after 60 strokes (1/10 mm) at 77 °F (inch)	ASTM D 217	369 1.45
Cone Penetration at 25°C after 100000 strokes (1/10 mm) at 77 °F (inch)	ASTM D 217	375 1.48
Cone Penetration at -30 °C (1/10 mm) at -22 °F (inch)	ASTM D 217	200 0.78
Shear Stability in presence of 10 % water Variation after 100,000 strokes (1/10 mm) (inch)	ASTM D 7342A	380 (Δ = -6%) 14,96
Copper corrosion, 24 h at 100°C (212°F)	ASTM D 4048	1a
Emcor, Distilled Water (rating)	ASTM D 6138	0/0
Emcor, Sea water (rating)	ASTM D 6138	2/3

The above values are representative of a current production. They are not specifications.

Packaging: 200 kg net metal drum

Safe Use and Handling: KELICO® V 0046 should be stored at room temperature. For specific safe use and handling information, or to obtain KELICO® V 0046 Safety Data Sheet, contact your local SEQENS Advanced Specialties representative.

Shelf Life: Shelf life of KELICO® V 0046 is 12 months when product is stored in the conditions recommended in the MSDS. After this period, product can be retested for shelf life extension if needed.

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