

EnviroTech® CO FG Series

High temperature chain lubricant



Your benefits at a glance

- Does not contain VOCs
- Contains a natural self-cleaning property
- Provides excellent protection against wear, rust, oxidation and corrosion

Your requirements - our solution

EnviroTech CO FG Series chain lubricants are specially developed, food grade chain lubricants blended from biosynthetic base oils and fortified with synthetic food grade white graphite. This unique high temperature formula lubricates at operating temperatures exceeding 1000°C and meets U.S.D.A. 1998 (H1) guidelines for applications where incidental food contact is possible. It does not contain VOCs and will out-perform other lubricants containing molybdenum disulfide, black graphite, or Teflon®. In addition, EnviroTech CO FG contains a natural self-cleaning property which cleans the buildup on chains attributable to the use of inferior chain lubricants. This superior chain lubricant provides excellent protection against wear, rust, oxidation, and corrosion.

Application

Use EnviroTech CO FG Series for chains exposed to high service temperatures which exceed those recommended for conventional lubricants. This product is ideal for oven chains used in plants which produce bread, cookies, cakes and other baked food products. It is also suitable for can making where decorative coatings are being cured or applied. EnviroTech CO FG can also be used in non-food grade high temperature applications.

Application notes

Special Instructions:

Because of the high concentration of white graphite in this chain oil, it needs agitation before use to ensure even distribution of the solid lubricant. The white graphite has proven to stay in suspension for up to two weeks after being introduced into a capability tube supplying lubricant to an applicator.

Material safety data sheets

Material safety data sheets can be requested via our website <https://www.klsummit.com>. You may also obtain them through your contact person at Summit Lubrication.

Characteristics	EnviroTech CO-68 FG	Envirotech CO-150 FG
Article number	340263	340248
Composition	graphite	graphite
Colour space	white	white
Texture	liquid	liquid
NSF H1 registration number	142965	141926
Density	0.89 g/cm ³	-
Density, 15.6°C	approx. 0.890	approx. 0.900
Fire point, Cleveland open cup	approx. 343 °C	approx. 340 °C
Flash point, ASTM D92, Cleveland open cup	approx. 304 °C	approx. 296 °C
Ignition Point	≥ 371 °C	≥ 371 °C
ISO viscosity grade, DIN ISO 3448, ISO VG	68	150

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Characteristics	EnviroTech CO-68 FG	Envirotech CO-150 FG
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 12.5 mm ² /s	approx. 24.9 mm ² /s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 67.5 mm ² /s	approx. 147 mm ² /s
Viscosity index, ASTM D2270	approx. 187	approx. 203
Steel corrosion, DIN ISO 7120 / ASTM D665, method B, 24 h, 60°C	rust-free	rust-free
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	approx. -25 °C	approx. -25 °C
Four-ball tester: wear characteristics, ASTM D4172, method: B, 1200 min ⁻¹ / 40 kgf, 60 min, 75°C	approx. 0.40 mm	approx. 0.40 mm
Four-ball tester, welding load, ASTM D2783	200 kgf	200 kgf
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months	36 months

Summit Lubrication

Your expert in specialty lubricants. Since 1982, we have partnered with you to bring you the right solution and advanced lubrication technologies. With over 500 products, from air and gas compressor oils to refrigeration oils, we develop top-of-the-line products tailored to your specific needs. Your success is our success.

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