

Biodegradable

Sentinel is a premium quality biodegradable, Biotechbased™ grease formulated from natural vegetable oils, aluminum-based thickener and anti-corrosion additives for maximum wire rope protection

Biobased

Biobased, biodegradable, non-bioaccumulative, non-aquatic toxic and not toxic to plants. Based on evaluation of the base oils and the finished products, the biobased products are designed to be biodegradable, aquatically non-toxic, not bioaccumulative and with no impact on plants as determined by known test methods. Nevertheless, the use of all the products are subject to the local ordinances and ultimate responsibility for impact remains with the users

Applications

- Recommended for the most wire ropes and cables
- Ideal for the protection from salt spray
- Excellent for extreme pressure applications
- Designed for protection between all metal to metal contact areas
- Prevents rust and corrosion
- Recommended for marine applications or anywhere that wire rope is used
- Recommended for environmentally sensitive areas near waterways

Benefits

- Contains anti-corrosion additives to prevent rust
- Contains anti-wear additives to extend the life of wire ropes
- Higher flash point than petroleum greases for increased safety
- Biodegradable formula reduces damage to the environment
- Meets EPA's Environmental Preferable Purchasing (EPP) criteria
- Meets USDA proposed Biobased product definition for EO 13101
- Manufactured from renewable crop-based oils- reduces foreign oil dependence

Properties	Test Method	Typical Values
Thickner		Aluminum complex
Base Fluid	Proprietary Blend	Selected Plant Oils
Colour	Visual	Brown
NLGI Grade	ASTM	0/1/2
Dropping Point	I.P.132 (ASTM D566)	200°C
Base Oil Viscosity	@100°C, cSt, ASTM D445	21
Viscosity	@40°C, cSt, ASTM D445	130
Penetration Strokes 60@ 250C	ASTM D217	320-330
Oil Separation	ASTM D1742	>3%
Corrosion Prevention Distilled Water	ASTM-D174	Pass
Salt Spray Test	600	Pass
Sheen Test	No Visible Sheen	Pass
Temperature Range	Tested	-25 to +125°C
Readily Biodegradable Content %	OECD 301B	>75
Aquatic Toxicity mg/L	OECD 210/202/20	>1,000
Bioaccumulation Content %	OECD 305	Pass

Packaging	Weight Imperial	Weight Metric
Pail	35lb	15.88kg
Keg	120lb	54kg
Drum	400lb	181kg
Bulk		As required

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