

ECO GRD CHAIN



DESCRIPTION

ECO GRD CHAIN is a fully eco-friendly, biodegradable lubricant formulated entirely from highly biodegradable esters. It is designed for the effective lubrication of chains and guide bars in chainsaws and other chain-driven equipment. Its ester-based composition provides natural lubricity, strong film stability, and excellent resistance to wear, corrosion, and rust. The lubricant also features inherent tackiness to minimize splatter and ensure consistent adhesion during operation in both warm and cold climates.

APPLICATIONS

ECO GRD CHAIN is suitable for hand-held and machine-operated chainsaws used in forestry, agriculture, landscaping, and municipal maintenance. It can be applied wherever a high-adherence, biodegradable chain lubricant is required for chains, guide bars, and similar mechanisms. The product is also appropriate for other equipment with chain systems, such as harvesters, lawn machinery, and bicycles, where environmental protection and clean operation are important.

PROPERTIES

ECO GRD CHAIN offers strong adhesion, smooth chain motion, and excellent performance in both low- and high-temperature environments. Its ester-based formulation provides stable lubrication, reduces friction and wear, and withstands dust, moisture, and outdoor conditions while remaining fully biodegradable.

BENEFITS

ECO GRD CHAIN reduces environmental impact through its fully biodegradable ester composition while ensuring reliable protection for chains and guide bars. It minimizes sling-off, lowers maintenance needs, and enhances chain life, making it a sustainable, high-performance alternative for professional and consumer users.

PHYSICAL-CHEMICAL CHARACTERISTICS

ECO GRD CHAIN	METHOD	
Density at 15°C, g/cm ³	ASTM D4052	0.915
Viscosity, Kinematic (cSt) 40°C	ASTM D445	56.2
Viscosity, Kinematic (cSt) 100°C	ASTM D445	10.5
Viscosity index	ASTM D2270	180
Flash point, COC, °C	ASTM D92	295
Pour point, °C	ASTM D97	-50

The above mentioned characteristics represent mean values.



TECHNICAL PRODUCT SHEET

STORAGE

All packages must be stored in covered, well-ventilated areas. If outdoor storage cannot be avoided, barrels must be placed horizontally to prevent water ingress and to protect labels and markings from damage. Products must not be stored at temperatures above 60 °C and must not be exposed to direct sunlight, freezing conditions, or extreme temperature fluctuations.



HEALTH & SAFETY

This product is not considered to pose significant risks to health or safety when used as intended and in accordance with recommended personal hygiene practices. It must not be applied for purposes other than those for which it has been formulated. For detailed guidance on safe handling and use, refer to the Safety Data Sheet (SDS).



USED OILS

Used lubricants must be collected at designated collection points to prevent environmental contamination. They must not be mixed with solvents, brake fluids, or antifreeze.

