



KETTLITZ-Medialub 5100 CLP

- technical leaflet -

KETTLITZ-Medialub 5100 CLP, based on vegetable oils, is free of synthetic and mineral oils and highly biodegradable. Medialub 5100 CLP meets the criteria of the German certification for environmentally beneficial products, the "Blue Angel" (RAL-UZ 178) and is implemented in the data base of FNR (see https://datenbank.fnr.de/produkte/bioschmierstoffe/?_mstto=en).

Special additives provide a long-term protection from resinification of the vegetable oil used. The vegetable oil itself has already good lubricating effect which is optimized by addition of special additives. Abrasion, wear and corrosion of rotating metal parts are almost eliminated.

Good properties at low temperatures enable this bio-oil to work even under extreme winter conditions.

Medialub 5100 CLP can be used as a gate saw oil for the lubrication of transport chains, bearings, bolts, joints and sliding guides. If the viscosity is not prescribed by the machine manufacturer, this depends on the type of individual lubrication spots.

The high degradation rate enables this oil to be used in protected areas, and especially in application with steady loss of lubricant.

For the eco-label "Blue Angel" according to RAL-UZ 178 the proportion of renewable raw materials was determined with the DIN method CEN / TS 16137 (DIN SPEC 91236). The value is about 95%.

Medialub 5100 CLP cannot be mixed with synthetic or mineral oil, i. e. before using them lubrication equipment (dosing station, storage containers, dispenser equipment, etc.) has to be emptied and cleaned thoroughly.

Properties

Chemical Characteristics		vegetable oils and dissolved polymers, containing additives
Appearance		transparent, greenish liquid
Viscosity at 20 °C	(mm ² /s)	220*
Viscosity at 40 °C	(mm ² /s)	100 ± 10 %
Viscosity at 100 °C	(mm ² /s)	20*
Viscosity Index	(VI _E)	240*
Flash Point	(°C)	> 230
Storage at low temperature	(72 h/-18 °C)	passed
FZG-Test	(damage load stage 12)	passed
Physiol. Behavior		see safety data sheet
Storage Stability		4 years under suitable storage conditions
Packing		1 liter, 5 liter and 20 liter plastic cans, 60 liter and 200 liter drums, 1 000 liter containers, road tankers for orders ≥ 5 000 kg

Information for consumer

acc. RAL-UZ 178



www.blauer-engel.de/uz178

Store out of reach of children

Do not allow unused quantities of the product to reach the sewerage system, watercourses or soil

Product residue is to be disposed of in municipal collection points for harmful substances

Only return empty containers for recycling

* The viscosity data at 20 and 100 °C as well as the VI_E are estimated values which are not relevant for specification.