



Univar Chain Fluid SM 68 Bio

Environmentally fluid for lubrication of transport – and chainsaw chains

Description

Univar Chain Fluid SM 68 Bio are based on vegetable oils and are developed for chainsaw and transport chain lubrication. The product are biodegradable with low ecotoxicity and are particularly suited for use in applications where environmental acceptability is required.

Performance , Features and Benefits

- **Readily biodegradable**

Biodegraded by >60% after 28 days when tested in OECD 301 B (CO₂ evolution test)

- **Low ecotoxicity**

"Not harmful" to algae, invertebrates (Daphnia) and fish

EL₅₀/LL₅₀ > 100 mg/l when tested as water accommodated fractions in OECD 201, OECD 202 and OECD 203.

- **Good lubricity**

- **Level of oil mist low**

- **Good low temperature properties**

Main Applications

Univar Chain Fluid SM 68 Bio for chainsaw chains in general use.

Univar Chain Fluid SM 32 Bio for transport chains (e.g. at sawmills and especially at low temperatures and for centralized lubrications systems)

Typical Physical Characteristics

ISO Viscosity Grade	ISO 3448	68
Viscosity @ 40 C	ASTM D 445	68 cSt
Viscosity @ 100 C	ASTM D 445	13,5 cSt
Viscosity index	ISO 2909	205

Density @ 15 C	ISO 12185	920 kg/m3
Flash Point (COC)	ISO 2592	230 C
Pour Point	ISO 3016	-36 C
Biodegradability	OECD 301 B	>60 %

Approvals and Recommendations

No official approvals, but Univar Chain Fluid SM Bio is successfully used in many different types of chain lubrication.

Compatibility & Miscibility

- **Compatibility**
Compatible with paints and seals usually used in application with mineral oils.
- **Dusty Environments**
In dusty environments, deposits might be formed. These can prevent the oil penetrating into the links.

Advice

Advice on applications not covered in this leaflet may be obtained from your Univar representative

Health and Safety

Safety Data Sheets is available on www.univar.com. It can also be obtained from your Univar representative.

Handling

Used lubricants should be taken to an authorised collection point. Do not discharge into drains, soil or water.

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