

Univar Chain Fluid SM 32 Bio

Environmentally considerate fluid for chainsaw lubrication

Product description

Univar Chain Fluid SM 32 Bio is based on vegetable oil and is developed for chainsaw and transport chain lubrication. They are biodegradable with low ecotoxicity and are particularly suited for use in applications where environmental acceptability is required.

Performance, features & benefits

- **Readily biodegradable**
Biodegraded by >60% after 28 days when tested in OECD 301B (CO₂ evolution test)
- **Low ecotoxicity**
Not harmful to algae, invertebrates (Daphnia) and fish; EL50/LL50 >100mg/l when tested as wateraccommodated fractions in OECD 201, OECD 202 and OECD 203.
- **Good lubricity**
- **Low level of oil mist**
- **Good low temperature properties**
Ideal for all year round use

Main Applications

Univar Chain Fluid SM 32 Bio for chainsaw chains in general use.

Univar Chain Fluid SM 32 Bio for transport chains (e.g. at saw mills and especially at low temperatures and for centralised lubrication systems).

Specifications, Approvals & Recommendations

No official approvals, but the product have successfully used for years in many applications especially i Scandinavia.

For a full listing of equipment approvals and recommendations, please consult your local Univar Solutions contact.

Compatibility & Miscibility

- **Compatibility**
Compatible with paints and seals usually used in applications with mineral oil.

- **Dusty Environments**

In dusty environments, deposits might be formed. These can prevent the oil from penetrating into the links.

Typical data

• Density @ 15°C	ISO 12185	0,920 kg/L
• Viscosity @ 40°C	ASTM D445	38 cSt
• Viscosity @ 100°C	ASTM D445	8.2 cSt
• Viscosity index	ISO 2909	200
• Pour Point	ISO 3016	-36 C
• Flash Point (COC)	ISO 2592	215°C
• ISO Viscosity Grade	ISO 3448	32
• Biodegradability	OECD 301B	>60%

Advice

- Advice on applications not covered here may be obtained from your Univar Solutions representative.

Health, Safety & Environment

- Guidance on Health & Safety is available on the appropriate Material Safety Data Sheet, which can be obtain from www.univarlubricants.com
- **Protect the environment**
Take used oil to an autorised collection point. Do not discharge into drains, soil or water.

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