

Technical information sheet

XONOL RV33

Metalworking cooling and lubricating fluid, free of chlorine and mineral oil, not water-miscible. Suitable for minimum quantity cooling lubrication (MQCL).

Product description:

XONOL RV33 is a cooling lubricant based on dearomatised hydrocarbons with easily volatilising lubrication enhancers.

Application area:

Non-cutting metalworking and machining of aluminium, aluminium alloys, magnesium, titanium and titanium alloys.

Properties: 10% XONOL HDF + 90% XONOL RV

XONOL RV33 produces an optimum cooling and lubricating effect, especially with carbide tools. Built-up cutting edges are effectively prevented. High performance is achieved through longer tool life and better surface quality. Following evaporation, a thin film of lubricant residue remains that vapourises without a trace above 360°C to ensure clean and environmentally friendly operation.

XONOL RV33 is a hazardous substance in the sense of the currently valid German Ordinance on Hazardous Substances (GefStoffV).

The product does not contain any of the following: Heavy metals, silicones, PCBs PCTs, sulphur, chlorine and other halogens.

Other advantages:

- Excellent wetting and separation effect
- No disposal problems
- Ecologically safe
- Easily separated from water
- Odourless
- Optimum evaporation rate

Technical application notes:

XONOL RV33 is preferably sprayed onto the parts or the tool in a wafer-thin layer using minimal lubrication devices (e.g. MicroFluid / FluidTec spray cooling system). Even the smallest dosages bring above-average improvements in service life.

Physical technical data:

Appearance:	light blue liquid	
Odour:	characteristic	
Density: (20 °C)	approx. 0.775 g/cm³	DIN 51 757
Viscosity: (20 °C)	approx. 2 mm²/s	DIN 51 562
Hazard class:	VbF A III	
Flash point:	< 100 °C	DIN 51 376
Ignition temperature:	> 260 °C	DIN 51 794

Our information on processing and application options within the scope of our technical advice and other information is given to the best of our knowledge, but is non-binding. It does not release you from your own examination of the properties guaranteed by us for intended processes and purposes. Our products are manufactured in accordance with QS ISO 9001:2015.

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