

**MAYFREE 2033**  
*Chlorinated Alkane Alternative*

**MAYFREE 2033** is the next generation of MAYFREE-branded products, providing lower viscosity, lighter color, milder odor, and higher performance to enhance ease of blending, end user acceptance, and higher machinability.

**MAYFREE 2033** can be used in neat machining and metal forming oils, as well as in water dilutable coolants, on all ferrous and nonferrous alloys. In aqueous systems, in addition to AW/EP properties, it also provides corrosion inhibition and emulsion stability properties.

The suggested chlorinated alkane replacement level when using **MAYFREE 2033** is one part **MAYFREE 2033** to each two parts of chlorinated additive. Example – 5% **MAYFREE 2033** to replace 10% chlorinated alkane. However, our testing shows even more coverage is possible, with one part **MAYFREE 2033** providing equal to better performance than four parts chlorinated alkane.

Due to its elevated acid number, **MAYFREE 2033** is not compatible with overbased sulphonates.

**TYPICAL PROPERTIES**

Property	Result
Appearance	Clear Amber
Odor	Very Mild
Color, ASTM D-1500	2.0
Specific Gravity @ 60F	0.970
Viscosity @ 100°F, SUS	3500
Viscosity @ 210°F, SUS	215
Viscosity @ 40°C, cS	750
Viscosity @ 100°C, cS	46
Acid Value, mgKOH/g	110
Phosphorus %	4.0
Flash Point, COC, °F (°C)	>392 (>200)
VOC (ASTM E1868-10), g/L	1.187

**MAYFREE 2033** exhibits excellent clarity and stability in Group I, II, III, and IV oils.

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