



**STRIBECK ADDICHEM**

# PRODUCT DATASHEET **STRILUBE® 2134**

EMULSIFIER PACKAGE FOR SEMI-SYNTHETIC METAL WORKING FLUIDS

Strilube®2134 is a semi-synthetic emulsifier package specially designed for cast iron, all ferrous and its alloy metals. Ideal for wide range of moderate machining and grinding tasks, it excels in applications involving cast iron, all ferrous and its alloy metals. Strilube® 2134 ensures optimal machining conditions, providing reliability and efficiency in industrial operations.

## Key features:

- 🌊 Exceptional Corrosion Inhibition of cast iron, all ferrous and its alloy metals.
- 🌊 Enhanced Surface Finish.
- 🌊 Superior hard water stability for consistent performance in challenging water conditions
- 🌊 Biostable Formula.
- 🌊 Excellent emulsification of base oils
- 🌊 Efficient Tramp Oil Rejection.
- 🌊 Minimizes foam formation.

## Physio-chemical properties

Tests	Test Method	Results
Appearance	Visual	Clear liquid
Colour	Visual	Amber
Density at 29.5°C	ASTM D-1298	1 g/ml (Typical)
Viscosity @40°C	ASTM D-445	180 cSt (Typical)
Acid number	ASTMD-664	60-70 mg KOH/g

## Applications:

Strilube® 2134 is a high-quality solution crafted to deliver a diverse selection of water-based metalworking fluids renowned for their superior corrosion inhibition properties.

Strilube® 2134 can be employed in various metal operations including grinding, milling, cutting, drilling, bending forming etc because of its excellent performance.

**Guideline formulation & its performance data with Strilube® 2134**

1	SN 150	25
2	CPW 52	8
3	STRILUBE 2134	35
4	DM WATER (FINISHED)	31.95
5	FOAM BAN 970 (SFG)	0.05
	<b>Total</b>	<b>100</b>

**Performance Data for above formulation:**

<b>PARAMETERS</b>	<b>RESULTS</b>
<b>Appearance</b> <i>Visual</i>	<b>Clear Amber fluid</b>
<b>Stability at 0°C, 50°C &amp; Room temp.</b> <i>Visual</i>	<b>Stable</b>

**Testing Parameters of 5% emulsion:**

<b>Appearance</b>	<b>Translucent</b>
<b>Hard water stability</b>	<b>Stable up to 1000 ppm</b>
<b>pH Value</b>	<b>9 to 10</b>
<b>Break Point % (IP287)</b>	<b>2.5%</b>
<b>RI FACTOR</b>	<b>1.5</b>
<b>FOAMING TEST (DM WATER)</b>	<b>15 secs.</b>

Performance data is summarized after several repetitive tests on the same formulation. Actual results may vary based on the test conditions and equipment used.

**Packing:** 200 Kg close head drum

**Storage conditions:** Store in a cool, dry place away from any direct source of heat and moisture. Maximum recommended storage temperature: 50°C

**Solubility:** Soluble in petroleum base stock. Emulsifiable in water. However, it is recommended to verify the solubility in the base oils used and the compatibility with other additives.

**Shelf life:** Best if used within 12 months from the date of manufacture.

**Manufactured by:**

STRIBECK ADDICHEM

Email: [lab@stribeckaddichem.com](mailto:lab@stribeckaddichem.com)

Web: [www.stribeckaddichem.com](http://www.stribeckaddichem.com)

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