



**STRIBECK ADDICHEM**

**PRODUCT DATASHEET**

# STRILUBE® 2136 BF

SEMI-SYNTHETIC EMULSIFIER PACKAGE FOR MULTIMETALS

Strilube® 2136 BF is an advanced semi-synthetic emulsifier package crafted to deliver unparalleled performance across diverse multimetal applications. Designed for both moderate and heavy-duty machining and grinding, it strikes the perfect balance between efficiency and cost-effectiveness. Engineered to excel with cast iron, ferrous metals, alloys, aluminum, copper, and brass. Strilube® 2136 BF guarantees smooth, reliable, and high-precision operations. Strilube® 2136 BF offers the **boron & secondary amines free** formulations. Elevate your industrial processes with this cutting-edge solution, setting a benchmark for superior performance and dependability.

## Key features:

- 🌊 Superior hard water stability for consistent performance in challenging water conditions
- 🌊 Excellent multimetals corrosion inhibition.
- 🌊 Excellent emulsification of base oils
- 🌊 Good defoaming properties.
- 🌊 Good tramp oil rejection.
- 🌊 Improves surface finish & extends tool life.
- 🌊 Free from boron & secondary amines.

## 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
Viscosity @40°C	ASTM D-445	200-250 cSt
Acid number	ASTMD-664	50-60 mg KOH/g

## Applications:

Strilube®2136 BF is a high-quality solution for diverse selection of water-based metalworking fluids renowned for their superior corrosion inhibition properties.

Strilube® 2136 BF can be employed in various metal operations including grinding, milling, cutting, drilling, bending forming etc because of its excellent performance.

**Guideline & its performance data with Strilube® 2136 BF.****PARAFFINIC OIL 40% WITH STRILUBE 2136 BF:**

1	SN 150	40
2	STRILUBE 2136 BF	36
3	DM WATER (FINISHED)	14.96
4	CPW 52	9
5	FOAM BAN 970 (SFG)	0.04
	<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 500 ppm</b>
<b>pH Value</b>	<b>9 to 10</b>
<b>Break Point % (IP287)</b>	<b>3%</b>
<b>RI Factor</b>	<b>1</b>
<b>Foaming test (DM water)</b>	<b>30 secs.</b>
<b>Aluminium 5000 series corrosion test</b>	<b>Pass</b>
<b>Aluminium 6000 series corrosion test</b>	<b>Pass</b>
<b>Aluminium 7000 series corrosion test</b>	<b>Pass</b>
<b>Brass, Copper corrosion test</b>	<b>Pass</b>

Note: 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 stocks. 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

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