

Product Data Sheet

NA-LUBE[®] EP-5120



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NA-LUBE EP-5120 is a light colored, low odor sulfurized olefin with excellent extreme pressure and antiwear properties.

CHEMICAL

COMPOSITION: Inactive sulfurized olefin.

APPEARANCE: Light yellow clear liquid.

TYPICAL

PROPERTIES:	Sulfur Content	20%
	Active Sulfur Content (ASTM D 1662)	3-4%
	Color (ASTM D 1500 neat)	2.0
	Viscosity @ 40°C (ASTM D 445, DIN 51 550)	50-60 mm ² /s (cSt)
	Viscosity @ 100°C (ASTM D 445, DIN 51 550)	6.2 mm ² /s (cSt)
	Density @ 25°C (ASTM D 4052)	0.945 g/ml
	Flash Point, CC (ASTM D 93)	139°C (282°F)
	Pour Point (ASTM D 97-96a)	-15°C (-59°F)

Note: The above analytical data are not specifications.

	<u>Typical Treat Levels</u>
APPLICATIONS: Metalworking Fluids	4.0% - 15.0%
Water Miscible Metalworking Concentrates	5.0% - 20.0%
Industrial Gear Oils	1.0% - 2.0%
Slideway Oils	1.0% - 5.0%
Greases	2.0% - 5.0%

NA-LUBE EP-5120 is a unique low odor, light colored sulfur carrier based on olefin chemistry. **NA-LUBE EP-5120** provides outstanding thermal and hydrolytic stability when compared to conventional low odor, light color sulfur carriers. **NA-LUBE EP-5120** provides excellent extreme pressure and antiwear properties when used in combination with appropriate antiwear additives in lubricants and greases. **NA-LUBE EP-5120** is highly suitable for heavy duty drilling and cutting operations and it also provides excellent extreme pressure and antiwear properties especially suited for metalworking fluids formulated for the machining of non-ferrous and aluminum alloys. **NA-LUBE EP-5120**'s unique chemistry gives it outstanding solubility characteristics in naphthenic and solvent refined Group I base oils and Group II - Group V base oils. When used in combination with ash-containing or ashless phosphorus-type antiwear and lubricity additives, **NA-LUBE EP-5120** is an outstanding alternative to chlorinated paraffins in metalworking fluids.

(see reverse side)

NA-LUBE® EP-5120

- ADVANTAGES:**
- * **Good extreme pressure properties**
 - * **Light color, low odor**
 - * **Easy handling, low viscosity**
 - * **Excellent solubility properties in highly paraffinic base oils with high viscosity indices**
- SOLUBILITY:** Soluble in petroleum and synthetic lubricant base stocks and most common solvents. Insoluble in water. However, it is recommended to verify the solubility in the base oils used and the compatibility with other additives.
- STANDARD PACKAGING:** 430 lbs (195 kg) closed head drum.
- STORAGE CONDITIONS:** Store in a cool, dry place away from any direct source of heat and moisture. Maximum recommended storage temperature: 30°C (86°F)
- SHELF LIFE:** Best if used within 1 year from the date of manufacture.
- HANDLING:** Avoid all personal contact. Observe good personal hygiene. For additional information, it is advised to consult the Material Safety Data Sheet (MSDS) for **NA-LUBE EP-5120**.
- REGISTRATION:** Please refer to Section 15 of the Material Safety Data Sheet for information.

For Samples or Technical Service, contact King Industries or your King representative.

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Revision date: 4 OCT 2004

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