



NEUTRONLUB

THE BEST HI-TECH FLUID & COMPOUNDS - USA



NEUTRON 908 S

Soluble Cutting Oil

NEUTRON 908 S is compounded oils developed to emulsify easily and form a stable emulsion when mixed with water. They provide excellent cooling and lubricity for machining and grinding of both ferrous and non-ferrous metals, resulting in extended tool life and excellent surface finishes. They are available in four grades to fit most soluble oil applications.

NEUTRON 908 S is compounded with naphthanic base oils and fortified with emulsifiers that form stable emulsions when mixed with water. The high specific heat of water and the excellent metal-wetting ability of the emulsion provide excellent cooling action and lubricity for grinding and machining operations. This promotes longer tool life by reducing friction between the cutting tool and the work piece and by dissipating heat. Anti wear and anti weld additives provide extra protection for heavy-duty applications.

NEUTRON 908 S is strongly recommended for general-purpose, medium-duty and light-duty machining operations, respectively, with water up to 300-ppm hardness. They also may be used for rust protection in engine cooling systems.

NEUTRON 908 S is recommended for moderate-to-severe machining, and is recommended for heavy-duty machining operations. **NEUTRON 908 S** form stable emulsions in either soft or hard water, and they both contain a biocide to combat bacterial growth for improved storage stability. However, a biocide should be added periodically by the end-user to combat microbial growth.

More specific applications for NEUTRON 908 S include :

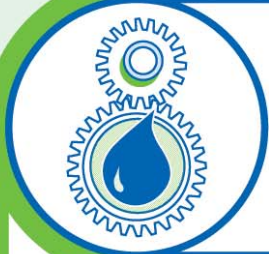
- Boring
- Gear shaping
- Reaming
- Broaching
- Grinding
- Sawing
- Drilling
- Milling
- Tapping

OUTSTANDING FEATURES

- Excellent cooling and lubricating properties
- Improved tool life
- Reduced grinding wheel wear
- Good surface finish
- Emulsify easily with water (1)
- Form stable emulsions
- Good rust protection
- Good antiwear and antiweld properties
- Noncorrosive to ferrous and non-ferrous metals
- Leaves non-tacky residue

NEUTRON FLUID & COMPOUNDS DIVISION

Value shown here are typical and may vary. NEUTRON FLUID & COMPOUNDS DIVISION reserves the right to change or modify this product for purpose of improving its performance characteristics.



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Note : Always add the oil to water when mixing, not water to oil. Typical dilution ratios range from 3 % to 10 % in water for cutting operations and from 3 % to 4 % for grinding operations, depending on the type of metal and water hardness. Concentration may be monitored by a Refractometer.

CAUTION : **NEUTRON 908 S** contains a small amount of stabilizing water. Do not store them at temperatures above 130°F or below 40°F.

TECHNICAL INFORMATION

GRAVITY, API	17.9
VISCOSITY cSt @ 40°C	43.8
cSt @ 100°C	6.8
ACTIVE SULFUR, Wt %	0.5
CHLORINE, Wt %	2.0
COLD TEST @ 110°C	No. Separation
Emulsion Stability	Pass
Foaming	Pass

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