

PRODUCT DATA SHEET

Royal Cutting Fluids – Non-Staining *Heavy Duty Cutting Fluid*



PRODUCT DESCRIPTION:

Royal Cutting Fluid – Non-Staining is a medium colored heavy-duty sulfurized cutting fluid for all types of relatively severe machining operations. This product contains active sulfur for excellent cutting and machining performance.

Cutting Fluid – Non-Staining is specially formulated for machining of ferrous metals and contains sulfurized fat for better lubricity and improved surface finish.

KEY FEATURES:

- Improves Finish - Sulfurized fat gives machined parts an improved surface finish

CUSTOMER BENEFITS:

- Heavy-Duty - Formulated with high levels of active ingredients, this product provides excellent performance in relatively severe applications

APPLICATIONS:

Machining Operations

PACKAGING:

Totes and Drums

PRODUCT DATA SHEET

Royal Cutting Fluids – Non-Staining Heavy Duty Cutting Fluid



Typical Properties

Royal Cutting Fluids – Non-Staining				
Product Number	509	511	517	Test Method
API	23.78	29.56	29.6	
Specific Gravity	0.91124	0.87857	0.87836	ASTM 4052
Lbs/Gal	7.589	7.317	7.315	
Density	0.91073	0.87808	0.87786	
Flash Point °C	163	205	196	ASTM D92
Pour Point °C	-39	-15	-18	ASTM D97
Color	<2.5	<1.0	<2.0	ASTM D1500
Viscosity@100°C cSt	4.324	5.406	5.67	ASTM D445
Viscosity@40°C cSt	28.73	32.91	35.26	ASTM D445
Viscosity Index (VI)	9	97	98	ASTM D2270

Typical Properties are typical of those obtained with normal production tolerance and do not constitute essentially a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice.

Health and Safety:

When used for its intended application, this product is not expected to have any adverse health implications. For complete information on safe handling, as well as physical and chemical characteristics please refer to the Material Safety Data Sheet (MSDS) found on our website, www.royalmfg.com, or call 918-584-2671. Do not use this product for purposes other than its intended use. Please be responsible to the environment when disposing of used product.