

2010

**ROYSON ENGINEERING COMPANY**  
**100 N. PENN ST.**  
**HATBORO, PA. 19040**  
**PHONE# 215-675-2800**

**TECHNICAL REPORT**  
**ROYSON 53-F**

Liquid Cleaning and Deburring Compound

DESCRIPTION

**ROYSON 53-F** is a high performance combination of water soluble lubricants, detergents, and corrosion inhibitors formulated to produce superior results on cast iron, steel, other ferrous alloys, and aluminum. **ROYSON 53-F** is low foaming, prevents loading or glazed tumbling media and build ups on equipment liners. It also has built-in corrosion inhibitors to protect unrinsed steel and cast iron while protecting aluminum from pitting and oxidation. Solutions of #53-F provide high lubricity for efficient deburring and optimum luster and color development in all vibratory equipment. Royson #53-F is formulated without sodium nitrate, phosphates, phenols, silicones, mineral oil, heavy metal ions, or other objectionable materials in order to simplify waste treatment and minimize environmental effects. Solutions of 53-F work well in all types of vibratory, washing and cleaning equipment.

OPERATIONAL DATA

Concentration, ounces per gallon	-	1.28 to 12.8
Concentration, percent by volume	-	1-10 to 1.00
Water Temperature	-	Ambient to 180 F.

Your Royson Company representative may suggest a concentration outside of this range to meet your specific requirements.

TYPICAL PROPERTIES

Appearance	-	Transparent Amber Liquid
Specific Gravity	-	1.17
pH, 0.5% Solution	-	9.1 to 9.3
pounds per gallon	-	9.74