

**ROYAL CASTOR PRODUCTS LIMITED – MWF
(Metal Working Fluids)**

Product	DESCRIPTION	BENEFITS	APPLICATIONS
Royfluid-1301	Barium Esters - AR	-Anti-Corrosion -Protective Coating Films -High Resistance to Humidity & Salt Water Sprays	-Soluble Oils -Semi-synthetic -Synthetic -Metal Forming Fluids
Royfluid-1302	Calcium Esters - AR	Anti-Corrosion -High Resistance to Humidity & Salt Water Sprays	Soluble Oils -Semi-synthetic -Synthetic -Metal Forming Fluids
Royfluid-1303	Sodium Esters - CF	-Surface Active Agent -Emulsification -Dispersion & Wetting of Solids	Soluble Oils -Semi-synthetic -Synthetic -Metal Forming Fluids
Royfluid-1304	Sodium Esters - AR	-Anti-Corrosion -Dispersion & Wetting of Solids	Soluble Oils -Semi-synthetic -Synthetic -Metal Forming Fluids
Royfluid-1305	Thermo Stable, hydroxylated fatty acid	-Emulsifier -Lubricity Agent -Coupling Agent -Biodegradable -High Flash point -NWG-not water endangering	-Soluble Oils -Semi-synthetic -Synthetic
Royfluid-1306	Poly-hydroxylated Fatty Acid	Emulsifier -Lubricity Agent -Coupling Agent	-Soluble Oils -Semi-synthetic -Synthetic
Royfluid -1307	Poly-Hydroxylated Fatty Acid	Emulsifier -Lubricity Agent -Coupling Agent	-Soluble Oils -Semi-synthetic -Synthetic

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Royfluid-1308	Poly-Hydroxylated Fatty Acid	Emulsifier -Lubricity Agent -Coupling Agent	-Soluble Oils -Semi-synthetic -Synthetic
Royfluid-1309	Poly-Hydroxylated Fatty Acid	Emulsifier -Lubricity Agent -Coupling Agent	-Soluble Oils -Semi-synthetic -Synthetic
Royfluid-1310	Hydroxylated Mono-glyceride	Emulsifier -Lubricity Agent -Coupling Agent -Plasticizer	-Soluble Oils -Semi-synthetic -Synthetic
Royfluid-1311	Hydroxylated ester	Emulsifier -Lubricity Agent -Coupling Agent -Plasticizer	-Soluble Oils -Semi-synthetic -Synthetic -Metal Forming Fluids
Royfluid-1312	Sulfurized Methyl Ester	-EP Additive -Anti-Corrosion -Lubricity	-Soluble Oils -Semi-synthetic -Synthetic
Royfluid-1313	Sulfurized Vegetable oil	EP Additive -Anti-Corrosion -Lubricity	-Soluble Oils -Semi-synthetic -Synthetic
Royfluid-1314	Sulfurized olefin	EP Additive -Anti-Corrosion -Lubricity	-Soluble Oils -Semi-synthetic -Synthetic
Royfluid IM-1315	Poly-imidazoline- (<i>water-soluble</i>)	-Anti-Corrosion -Emulsifier --Lubricity	Soluble Oils -Semi-synthetic -Synthetic
Royfluid IM-1316	Poly- Imidazoline	Anti-Corrosion -Emulsifier --Lubricity	Soluble Oils -Semi-synthetic -Synthetic

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Royfluid IM-1317	Poly-imidazoline (<i>water soluble</i>)	-Anti-Corrosion -Emulsifier --Lubricity	-Soluble Oils -Semi-synthetic -Synthetic
Royfluid IM-1318	Imidazoline derivative	Anti-Corrosion -Emulsifier --Lubricity	Soluble Oils -Semi-synthetic -Synthetic
Royfluid-1319	Class V Base Oil	-Biodegradable -High Flash Point -Biorenewable -Plasticizer	-Soluble Oils -Semi-synthetic -Synthetic -Metal Forming Fluids
Royfluid-1320	Class V Base Oil	-VG 46 & 68 -Hydrolytically stable -High Flash point -Biodegradable -Biorenewable -Plasticizer	Soluble Oils -Semi-synthetic -Synthetic -Metal Forming Fluids
Royfluid-1321	Class V Base Oil	High Flash Point - Hydrolytically stable -Biodegradable -Biorenewable -Plasticizer	-Soluble Oils -Semi-synthetic -Synthetic
Royfluid-1322	Class V Base Oil	Class V Base Oil -Plasticizer	-Soluble Oils -Semi-synthetic -Synthetic
Royfluid-1323	Environmentally Friendly Esters	-Lubricity Agent -Plasticizer	-Soluble Oils -Semi-synthetic -Synthetic -Metal Forming Fluids
Royfluid-1324	Environmentally Friendly Esters	-Lubricity Agent -Plasticizer	-Soluble Oils -Semi-synthetic -Synthetic -Metal Forming Fluids

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Royfluid-1325	Environmentally Friendly Esters	-Lubricity Agent -Plasticizer	-Soluble Oils -Semi-synthetic -Synthetic -Metal Forming Fluids
Royfluid-1326	Environmentally Friendly Esters	-Lubricity Agent -Plasticizer	-Soluble Oils -Semi-synthetic -Synthetic -Metal Forming Fluids
Royfluid-1327	Stearate Environmentally Friendly Esters	-Emulsifier -Dispersant -Lubricity Agent -Plasticizer -Class V Base Oil	-Soluble Oils -Semi-synthetic -Synthetic -Metal Forming Fluids
Royfluid-1328	Environmentally Friendly Esters	-Emulsifier -Dispersant -Lubricity Agent -Plasticizer	-Soluble Oils -Semi-synthetic -Synthetic
Royfluid-1329	Environmentally Friendly Esters	-Emulsifier -Dispersant -Lubricity Agent -Plasticizer	-Soluble Oils -Semi-synthetic -Synthetic
Royfluid-1330	Environmentally Friendly Esters	-Emulsifier -Dispersant -Lubricity Agent	-Soluble Oils -Semi-synthetic -Synthetic
Royfluid-1331	Environmentally Friendly Esters	-Emulsifier -Dispersant -Lubricity Agent	-Soluble Oils -Semi-synthetic -Synthetic