

WinKool 3101

(SYNTHETIC MACHINING AND GRINDING FLUID)

◆ Safe on Equipment and Tooling

◆ Low Foaming

WinKool 3101 is a premium synthetic metalworking fluid fortified with high-grade preservatives, inhibitors and foam control features suitable for central systems as well as single machines. **WinKool 3101** is a mixture of premium boundary lubricants and non-staining extreme pressure compounds. **WinKool 3101** also works well as a tube mill lubricant for both the forming and cut-off. It will not smoke at the welder tip. **WinKool 3101's** micro-emulsion particle size is less than four microns in most water supplies, resulting in a clear using mix, allowing operators good visibility of the work in progress.

TYPICAL PROPERTIES

Appearance	Amber Liquid
Foaming	Controlled (low)
pH	<11 (undiluted)
Solubility	Excellent
Specific Gravity	1.033 (water = 1.0)
Lubricity	Good

USING PROCEDURES

WinKool 3101 is recommended for use at concentrations between 2-50% (v/v) (1:1 – 1:40). Consult your Win Solutions representative for the optimum operating concentrations.

MATERIAL SAFETY

WinKool 3101 is safe for high speed machining and grinding operations on all ferrous metals.

STORAGE

WinKool 3101 should be stored a normal room temperature. If accidentally frozen, thaw and roll container to remix.

SAFETY

Please refer to the label and Safety Data Sheets for all warnings, recommendations and other regulatory information. Copies of the Safety Data Sheets are available from the Win Solutions office or your local representative.

Win Solutions, Inc.
109 Pine Street
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WinKool 3105FA

(SEMI-SYNTHETIC METALWORKING FLUID)

◆ Safe On Equipment and Tooling

◆ Low Foaming

◆ Environmentally Friendly

◆ Increased Tool Life

WinKool 3105FA is a semi-synthetic cutting, grinding and forming fluid fortified with lubricity and EP additives as well as high-grade preservatives, inhibitors and foam control features suitable for central systems as well as the single machine. **WinKool 3105FA** is a mixture of premium boundary lubricants and non-staining extreme pressure compounds. The micro-emulsion particle size is less than four microns in most water supplies, resulting in a clear using mix, allowing operators good visibility of the work in progress.

TYPICAL PROPERTIES

Appearance	Clear Amber Liquid
Foaming Ability	Low to No Foam
pH	10.5 (undiluted)
Solubility	Excellent
Specific Gravity	0.995-0.997 (water = 1.0)
Lubricity	Boundary and Extreme Pressure

USING PROCEDURES

WinKool 3105FA is recommended for use at concentrations between 2-20% (v/v) (1:1 – 1:40). Consult your Win Solutions representative for the optimum operating concentrations.

MATERIAL SAFETY

WinKool 3105FA is safe for high speed machining, grinding, tapping & threading operations on all ferrous and non-ferrous metals.

STORAGE

WinKool 3105FA is stored a normal room temperature. If accidentally frozen, thaw and roll container to remix.

SAFETY

Please refer to the label and Safety Data Sheets for all warnings, recommendations and other regulatory information. Copies of the Safety Data Sheets are available from the Win Solutions office or your local representative.

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WinKool 3106FA

(SEMI-SYNTHETIC METALWORKING FLUID)

◆ Safe On Equipment and Tooling

◆ Low Foaming

◆ Environmentally Friendly

◆ Increased Tool Life

WinKool 3106FA is a heavy duty semi-synthetic cutting, grinding and forming fluid fortified with lubricity and EP additives as well as high-grade preservatives, inhibitors and foam control features suitable for central systems as well as the single machine. **WinKool 3106FA** is a mixture of premium boundary lubricants and non-staining extreme pressure compounds. The micro-emulsion particle size is less than four microns in most water supplies, resulting in a clear using mix, allowing operators good visibility of the work in progress.

TYPICAL PROPERTIES

Appearance	Clear Amber Liquid
Foaming Ability	Low to No Foam
pH	10.5 (undiluted)
Solubility	Excellent
Specific Gravity	0.995-0.997 (water = 1.0)
Lubricity	Boundary and Extreme Pressure

USING PROCEDURES

WinKool 3106FA is recommended for use at concentrations between 2-20% (v/v) (1:1 – 1:40). Consult your Win Solutions representative for the optimum operating concentrations.

MATERIAL SAFETY

WinKool 3106FA is safe for high speed machining, grinding, tapping & threading operations on all ferrous and non-ferrous metals.

STORAGE

WinKool 3106FA is stored a normal room temperature. If accidentally frozen, thaw and roll container to remix.

SAFETY

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WinKool 3124

(SEMI-SYNTHETIC METALWORKING FLUID)

◆ Safe on Equipment and Tooling

◆ Low Foaming

◆ Environmentally Friendly

◆ Increased Tool Life

WinKool 3124 is a very low oil semi-synthetic cutting and grinding fluid fortified with high-grade preservatives, inhibitors and foam control features suitable for central systems as well as the single machine. **WinKool 3124** is a mixture of premium boundary lubricants and non-staining extreme pressure compounds. The micro-emulsion particle size is less than four microns in most water supplies, resulting in a translucent using mix, allowing operators good visibility of the work in progress.

TYPICAL PROPERTIES

Appearance	Blue Liquid
Foaming Ability	Low to No Foam
pH	9 (undiluted)
Solubility	Excellent
Specific Gravity	0.995-0.997 (water = 1.0)
Lubricity	Boundary and Extreme Pressure

USING PROCEDURES

WinKool 3124 is recommended for use at concentrations between 2-50% (v/v) (1:1 – 1:40). Consult your Win Solutions representative for the optimum operating concentrations.

MATERIAL SAFETY

WinKool 3124 is safe for high speed machining, grinding, tapping & threading operations on all ferrous and non-ferrous metals.

STORAGE

WinKool 3124 is stored a normal room temperature. If accidentally frozen, thaw and roll container to remix.

SAFETY

Please refer to the label and Material Safety Data Sheets for all warnings, recommendations and other regulatory information. Copies of the Material Safety Data Sheets are available from the Win Solutions office or your local representative.

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WinKool 3125HD

(SEMI-SYNTHETIC FORMING FLUID)

◆ Safe on Equipment and Tooling

◆ Low Foaming

◆ Environmentally Friendly

◆ Increased Tool Life

WinKool 3125HD is a low oil semi-synthetic forming and drawing fluid fortified with EP additives, inhibitors and foam control features suitable for central systems as well as the single machine. **WinKool 3125HD** is a mixture of premium boundary lubricants and non-staining extreme pressure compounds. The micro-emulsion particle size is less than four microns in most water supplies, resulting in a translucent using mix, allowing operators good visibility of the work in progress.

TYPICAL PROPERTIES

Appearance	Dark Brown Liquid
Foaming Ability	Low to No Foam
pH	9 (undiluted)
Solubility	Excellent
Specific Gravity	1.019 (water = 1.0)
Lubricity	Boundary and Extreme Pressure

USING PROCEDURES

WinKool 3125HD is recommended for use at concentrations between 2-50% (v/v) (1:1 – 1:40). Add WinKool 3125HD to water while mixing. Consult your Win Solutions representative for the optimum operating concentrations.

MATERIAL SAFETY

WinKool 3125HD is safe for forming and drawing operations on all ferrous and non-ferrous metals.

STORAGE

WinKool 3125HD is stored a normal room temperature. If accidentally frozen, thaw and roll container to remix.

SAFETY

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WinKool 3128RP

(SEMI-SYNTHETIC METALWORKING COOLANT)

◆ Safe on Equipment and Tooling

◆ Low Foaming

◆ Excellent Rust Protection

◆ Increased Tool Life

WinKool 3128RP is a very low oil semi-synthetic cutting and grinding fluid fortified with high-grade preservatives, inhibitors, ep additives and foam control features suitable for central systems as well as the single machine. **WinKool 3128RP** is a mixture of premium boundary lubricants and non-staining extreme pressure compounds. The micro-emulsion particle size is less than four microns in most water supplies, resulting in a translucent using mix, allowing operators good visibility of the work in progress. This fluid also offers excellent rust protection over many other semi-synthetic fluids.

TYPICAL PROPERTIES

Appearance	Light Brown Liquid
Foaming Ability	Low to No Foam
pH	9 (undiluted)
Solubility	Excellent
Specific Gravity	0.995-0.997 (water = 1.0)
Lubricity	Boundary and Extreme Pressure

USING PROCEDURES

WinKool 3128RP is recommended for use at concentrations between 2-50% (v/v) (1:1 – 1:40). Consult your Win Solutions representative for the optimum operating concentrations.

MATERIAL SAFETY

WinKool 3128RP is safe for high speed machining, grinding, tapping & threading operations on all ferrous and non-ferrous metals.

STORAGE

WinKool 3128RP is stored a normal room temperature. If accidentally frozen, thaw and roll container to remix.

SAFETY

Please refer to the label and Material Safety Data Sheets for all warnings, recommendations and other regulatory information. Copies of the Material Safety Data Sheets are available from the Win Solutions office or your local representative.

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WinKool 4500X

(Water Soluble Metalworking Fluid)

◆ Will NOT Stain Non-Ferrous Metals Including Domestic and Imported Aluminum

◆ More Bio-Resistant

◆ No Sulfur or Phosphorus

WinKool 4500X is an unrivaled water-soluble machining, grinding and forming fluid that provides prolonged sump life as compared to many other water-soluble type metal working fluids. It provides remarkable machining results from a unique extreme pressure additive package. This additive package achieves excellent results without using stain-inducing sulfur or chlorine. This modern lubricating package contains no halogens, PNA's, DEA, or other known carcinogens. **WinKool 4500X** has a much more bio-resistant emulsification package than other conventional type coolants, thus reducing biological break down of the coolant. **WinKool 4500X** is designed to run cleaner, and to keep equipment much cleaner than other water-soluble oil type metal working fluids. It is highly hard water-resistant and cleans off easily with mild alkaline cleaners, either soak or spray. Residues do not varnish, as in the case with many old-technology lubricating packages, which complicates delayed part cleaning. Due to its water-soluble mix, **WinKool 4500X** provides better cooling than straight oil in all types of forming, machining, grinding, and tapping operations, and at very economical usage cost.

TYPICAL PROPERTIES

Appearance	Brownish Liquid
Foaming Ability	Low to no Foam
Solubility	Easily Emulsifies
Specific Gravity	0.90 – 0.94 (water = 1.0)
Lubricity	Extreme Pressure and Boundary

USING PROCEDURES

WinKool 4500X is recommended for use at concentrations between 1:5 – 1:20. Consult your Win Solutions representative for the optimum operating concentrations. (Always add this product to water for best results.)

MATERIAL SAFETY

WinKool 4500X is safe for high speed machining, grinding and tapping operations on most ferrous and non-ferrous metals. **WinKool 4500X** has been used to replace many competitive water soluble oil products that slightly stained various grades of domestic and imported aluminum.

STORAGE

WinKool 4500X should be stored a normal room temperature. If accidentally frozen, thaw and roll container to remix.

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WinKool 3102

PREMIUM SYNTHETIC METALWORKING FLUID

◆ Safe on Equipment and Tooling

◆ Low Foaming

WinKool 3102 is a premium synthetic metalworking fluid fortified with high-grade preservatives, inhibitors and foam control features suitable for central systems as well as single machines. **WinKool 3102** is a mixture of premium boundary lubricants and non-staining extreme pressure compounds. **WinKool 3102** also works well as a tube mill lubricant for both the forming and cut-off. It will not smoke at the welder tip. **WinKool 3102's** micro-emulsion particle size is less than four microns in most water supplies, resulting in a clear using mix, allowing operator's good visibility of the work in progress.

TYPICAL PROPERTIES

Appearance	Light Amber Liquid
Foaming	Controlled (low)
pH	<11 (undiluted)
Solubility	Excellent
Specific Gravity	1.033 (water = 1.0)
Lubricity	Good

USING PROCEDURES

WinKool 3102 is recommended for use at concentrations between 2-50% (v/v) (1:1 – 1:40). Consult your Win Solutions representative for the optimum operating concentrations.

MATERIAL SAFETY

WinKool 3102 is safe for high speed machining and grinding operations on all ferrous and non-ferrous metals.

STORAGE

WinKool 3102 should be stored a normal room temperature. If accidentally frozen, thaw and roll container to remix.

SAFETY

Please refer to the label and Material Safety Data Sheets for all warnings, recommendations and other regulatory information. Copies of the Material Safety Data Sheets are available from the Win Solutions office or your local representative.

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WinKool 3103

(PREMIUM SYNTHETIC METALWORKING FLUID)

◆ Safe on Equipment and Tooling

◆ Low Foaming

WinKool 3103 is a premium synthetic metalworking fluid fortified with high-grade preservatives, inhibitors and foam control features suitable for central systems as well as single machines. **WinKool 3103** is a mixture of premium boundary lubricants and non-staining extreme pressure compounds. **WinKool 3103** also works well as a tube mill lubricant for both the forming and cut-off. It will not smoke at the welder tip. **WinKool 3103's** micro-emulsion particle size is less than four microns in most water supplies, resulting in a clear using mix, allowing operator's good visibility of the work in progress.

TYPICAL PROPERTIES

Appearance	Light Amber Liquid
Foaming	Controlled (low)
pH	<11 (undiluted)
Solubility	Excellent
Specific Gravity	1.033 (water = 1.0)
Lubricity	Good

USING PROCEDURES

WinKool 3103 is recommended for use at concentrations between 2-50% (v/v) (1:1 – 1:40). Consult your Win Solutions representative for the optimum operating concentrations.

MATERIAL SAFETY

WinKool 3103 is safe for high speed machining and grinding operations on all ferrous and non-ferrous metals.

STORAGE

WinKool 3103 should be stored a normal room temperature. If accidentally frozen, thaw and roll container to remix.

SAFETY

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WinKool 3112

(PREMIUM SYNTHETIC METALWORKING FLUID)

◆ Safe on Equipment and Tooling

◆ Low Foaming

WinKool 3112 is a premium synthetic metalworking fluid fortified with high-grade preservatives, inhibitors and foam control features suitable for central systems as well as single machines. **WinKool 3112** is a mixture of premium boundary lubricants and non-staining extreme pressure compounds. **WinKool 3112** also works well as a tube mill lubricant for both the forming and cut-off. It will not smoke at the welder tip. **WinKool 3112's** micro-emulsion particle size is less than four microns in most water supplies, resulting in a clear using mix, allowing operator's good visibility of the work in progress.

TYPICAL PROPERTIES

Appearance	Light Amber Liquid
Foaming	Controlled (low)
pH	<11 (undiluted)
Solubility	Excellent
Specific Gravity	1.033 (water = 1.0)
Lubricity	Good

USING PROCEDURES

WinKool 3112 is recommended for use at concentrations between 2-50% (v/v) (1:1 – 1:40). Consult your Win Solutions representative for the optimum operating concentrations.

MATERIAL SAFETY

WinKool 3112 is safe for high speed machining and grinding operations on all ferrous and non-ferrous metals.

STORAGE

WinKool 3112 should be stored a normal room temperature. If accidentally frozen, thaw and roll container to remix.

SAFETY

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WinKool 3115AL

(PREMIUM SYNTHETIC METALWORKING FLUID)

◆ Safe on Equipment and Tooling

◆ Low Foaming

WinKool 3115AL is a premium synthetic metalworking fluid fortified with high-grade preservatives, inhibitors and foam control features suitable for central systems as well as single machines. **WinKool 3115AL** is a mixture of premium boundary lubricants and non-staining extreme pressure compounds. **WinKool 3115AL** also works well as a tube mill lubricant for both the forming and cut-off. It will not smoke at the welder tip. **WinKool 3115AL's** micro-emulsion particle size is less than four microns in most water supplies, resulting in a clear using mix, allowing operator's good visibility of the work in progress.

TYPICAL PROPERTIES

Appearance	Light Amber Liquid
Foaming	Controlled (low)
pH	<11 (undiluted)
Solubility	Excellent
Specific Gravity	1.033 (water = 1.0)
Lubricity	Good

USING PROCEDURES

WinKool 3115AL is recommended for use at concentrations between 2-50% (v/v) (1:1 – 1:40). Consult your Win Solutions representative for the optimum operating concentrations.

MATERIAL SAFETY

WinKool 3115AL is safe for high speed machining and grinding operations on all ferrous and non-ferrous metals.

STORAGE

WinKool 3115AL should be stored a normal room temperature. If accidentally frozen, thaw and roll container to remix.

SAFETY

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WinKool 2107

(Water Soluble Metalworking Fluid)

◆ Will NOT Stain Non-Ferrous Metals Including Domestic and Imported Aluminum

◆ More Bio-Resistant

◆ No Chlorine, Sulfur or Phosphorus

WinKool 2107 is an unrivaled water-soluble machining and grinding fluid that provides prolonged sump life as compared to many other water-soluble type metal working fluids. It provides remarkable machining results from a unique extreme pressure additive package. This additive package achieves excellent results without using stain-inducing chlorine, sulfur or phosphorous. This modern lubricating package contains no halogens, PNA's, DEA, or other known carcinogens. **WinKool 2107** has a much more bio-resistant emulsification package than other conventional type coolants, thus reducing biological break down of the coolant. **WinKool 2107** is designed to run cleaner, and to keep equipment much cleaner than other water-soluble oil type metal working fluids. It is highly hard water-resistant and cleans off easily with mild alkaline cleaners, either soak or spray. Residues do not varnish, as in the case with many old-technology lubricating packages, which complicates delayed part cleaning. Due to its water-soluble mix, **WinKool 2107** provides better cooling than straight oil in all types of machining, grinding, and tapping operations, and at very economical usage cost.

TYPICAL PROPERTIES

Appearance	Brownish Liquid
Foaming Ability	Low to no Foam
Solubility	Easily Emulsifies
Specific Gravity	0.90 – 0.94 (water = 1.0)
Lubricity	Extreme Pressure and Boundary

USING PROCEDURES

WinKool 2107 is recommended for use at concentrations between 1:5 – 1:20. Consult your Win Solutions representative for the optimum operating concentrations. (Always add this product to water for best results.)

MATERIAL SAFETY

WinKool 2107 is safe for high speed machining, grinding and tapping operations on most ferrous and non-ferrous metals. **WinKool 2107** has been used to replace many competitive water soluble oil products that slightly stained various grades of domestic and imported aluminum.

STORAGE

WinKool 2107 should be stored a normal room temperature. If accidentally frozen, thaw and roll container to remix.

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WinKool 2108

(Water Soluble Metalworking Fluid)

◆ Will NOT Stain Non-Ferrous Metals Including Domestic and Imported Aluminum

◆ More Bio-Resistant

◆ No Chlorine, Sulfur or Phosphorus

WinKool 2108 is an unrivaled water-soluble machining and grinding fluid that provides prolonged sump life as compared to many other water-soluble type metal working fluids. It provides remarkable machining results from a unique extreme pressure additive package. This additive package achieves excellent results without using stain-inducing chlorine, sulfur or phosphorous. This modern lubricating package contains no halogens, PNA's, DEA, or other known carcinogens. **WinKool 2108** has a much more bio-resistant emulsification package than other conventional type coolants, thus reducing biological break down of the coolant. **WinKool 2108** is designed to run cleaner, and to keep equipment much cleaner than other water-soluble oil type metal working fluids. It is highly hard water-resistant and cleans off easily with mild alkaline cleaners, either soak or spray. Residues do not varnish, as in the case with many old-technology lubricating packages, which complicates delayed part cleaning. Due to its water-soluble mix, **WinKool 2108** provides better cooling than straight oil in all types of machining, grinding, and tapping operations, and at very economical usage cost.

TYPICAL PROPERTIES

Appearance	Brownish Liquid
Foaming Ability	Low to no Foam
Solubility	Easily Emulsifies
Specific Gravity	0.90 – 0.94 (water = 1.0)
Lubricity	Extreme Pressure and Boundary

USING PROCEDURES

WinKool 2108 is recommended for use at concentrations between 1:5 – 1:20. Consult your Win Solutions representative for the optimum operating concentrations. (Always add this product to water for best results.)

MATERIAL SAFETY

WinKool 2108 is safe for high speed machining, grinding and tapping operations on most ferrous and non-ferrous metals. **WinKool 2108** has been used to replace many competitive water soluble oil products that slightly stained various grades of domestic and imported aluminum.

STORAGE

WinKool 2108 should be stored a normal room temperature. If accidentally frozen, thaw and roll container to remix.

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WinKool 2110HD

(Water Soluble Metalworking Fluid)

◆ Will NOT Stain Non-Ferrous Metals Including Domestic and Imported Aluminum

◆ More Bio-Resistant

◆ No Chlorine, Sulfur or Phosphorus

WinKool 2110HD is an unrivaled water-soluble machining and grinding fluid that provides prolonged sump life as compared to many other water-soluble type metal working fluids. It provides remarkable machining results from a unique extreme pressure additive package. This additive package achieves excellent results without using stain-inducing chlorine, sulfur or phosphorous. This modern lubricating package contains no halogens, PNA's, DEA, or other known carcinogens. **WinKool 2110HD** has a much more bio-resistant emulsification package than other conventional type coolants, thus reducing biological break down of the coolant. **WinKool 2110HD** is designed to run cleaner, and to keep equipment much cleaner than other water-soluble oil type metal working fluids. It is highly hard water-resistant and cleans off easily with mild alkaline cleaners, either soak or spray. Residues do not varnish, as in the case with many old-technology lubricating packages, which complicates delayed part cleaning. Due to its water-soluble mix, **WinKool 2110HD** provides better cooling than straight oil in all types of machining, grinding, and tapping operations, and at very economical usage cost.

TYPICAL PROPERTIES

Appearance	Brownish Liquid
Foaming Ability	Low to no Foam
Solubility	Easily Emulsifies
Specific Gravity	0.90 – 0.94 (water = 1.0)
Lubricity	Extreme Pressure and Boundary

USING PROCEDURES

WinKool 2110HD is recommended for use at concentrations between 1:5 – 1:20. Consult your Win Solutions representative for the optimum operating concentrations. (Always add this product to water for best results.)

MATERIAL SAFETY

WinKool 2110HD is safe for high speed machining, grinding and tapping operations on most ferrous and non-ferrous metals. **WinKool 2110HD** has been used to replace many competitive water soluble oil products that slightly stained various grades of domestic and imported aluminum.

STORAGE

WinKool 2110HD should be stored a normal room temperature. If accidentally frozen, thaw and roll container to remix.

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WinKool 2131

(Water Soluble Metalworking Fluid)

◆ **Will NOT Stain Non-Ferrous Metals Including Domestic and Imported Aluminum**

◆ **More Bio-Resistant**

◆ **No Chlorine, Sulfur or Phosphorus**

WinKool 2131 is an unrivaled water-soluble machining and grinding fluid that provides prolonged sump life as compared to many other water-soluble type metal working fluids. It provides remarkable machining results from a unique extreme pressure additive package. This additive package achieves excellent results without using stain-inducing chlorine, sulfur or phosphorous. This modern lubricating package contains no halogens, PNA's, DEA, or other known carcinogens. **WinKool 2131** has a much more bio-resistant emulsification package than other conventional type coolants, thus reducing biological break down of the coolant. **WinKool 2131** is designed to run cleaner, and to keep equipment much cleaner than other water-soluble oil type metal working fluids. It is highly hard water-resistant and cleans off easily with mild alkaline cleaners, either soak or spray. Residues do not varnish, as in the case with many old-technology lubricating packages, which complicates delayed part cleaning. Due to its water-soluble mix, **WinKool 2131** provides better cooling than straight oil in all types of machining, grinding, and tapping operations, and at very economical usage cost.

TYPICAL PROPERTIES

Appearance	Brownish Liquid
Foaming Ability	Low to no Foam
Solubility	Easily Emulsifies
Specific Gravity	0.90 – 0.94 (water = 1.0)
Lubricity	Extreme Pressure and Boundary

USING PROCEDURES

WinKool 2131 is recommended for use at concentrations between 1:5 – 1:20. Consult your Win Solutions representative for the optimum operating concentrations. (Always add this product to water for best results.)

MATERIAL SAFETY

WinKool 2131 is safe for high speed machining, grinding and tapping operations on most ferrous and non-ferrous metals. **WinKool 2131** has been used to replace many competitive water soluble oil products that slightly stained various grades of domestic and imported aluminum.

STORAGE

WinKool 2131 should be stored a normal room temperature. If accidentally frozen, thaw and roll container to remix.

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WinKool 2206S

(Premium Water Soluble Metalworking Fluid)

◆ Will NOT Stain Non-Ferrous Metals Including Domestic and Imported Aluminum

◆ More Bio-Resistant

◆ No Chlorine, Phosphorus or Sulfonate

WinKool 2206S is an unrivaled water-soluble machining and grinding fluid that provides prolonged sump life as compared to many other water-soluble type metal working fluids. It provides remarkable machining and grinding results from a unique extreme pressure additive package. This additive package achieves excellent results without using stain-inducing chlorine, phosphorous, or sulfonates. This modern lubricating package contains no halogens, PNA's, DEA, or other known carcinogens. **WinKool 2206S** has a much more bio-resistant emulsification package than other conventional type coolants, thus reducing biological break down of the coolant. **WinKool 2206S** is designed to run cleaner, and to keep equipment much cleaner than other water-soluble oil type metal working fluids. It is highly hard water-resistant and cleans off easily with mild alkaline cleaners, either soak or spray. Residues do not varnish, as in the case with many old-technology lubricating packages, which complicates delayed part cleaning. Due to its water-soluble mix, **WinKool 2206S** provides better cooling than straight oil in all types of machining, grinding, and tapping operations, and at very economical usage cost.

TYPICAL PROPERTIES

Appearance	Brownish Liquid
Foaming Ability	Low to no Foam
Solubility	Easily Emulsifies
Specific Gravity	0.90 – 0.94 (water = 1.0)
Lubricity	Extreme Pressure and Boundary

USING PROCEDURES

WinKool 2206S is recommended for use at concentrations between 1:5 – 1:20. Consult your Win Solutions representative for the optimum operating concentrations. (Always add this product to water for best results.)

MATERIAL SAFETY

WinKool 2206S is safe for high speed machining, grinding and tapping operations on most ferrous and non-ferrous metals. **WinKool 2206S** has been used to replace many competitive water soluble oil products that slightly stained various grades of domestic and imported aluminum.

STORAGE

WinKool 2206S should be stored a normal room temperature. If accidentally frozen, thaw and roll container to remix.

Win Solutions, Inc.
109 Pine Street
Lexa, AR 72355
PH: 800-489-0470
Fax: 870-572-9696
www.solutionswin.com

WinKool 3110HD

NEUTRAL pH SYNTHETIC MACHINING AND GRINDING FLUID

◆ Safe on Equipment and Tooling

◆ Low Foaming

WinKool 3110HD is a premium synthetic metalworking fluid designed for aluminum and fortified with high-grade EP and Lubricity additives, inhibitors and foam control features suitable for central systems as well as single machines. **WinKool 3110HD** is a mixture of premium boundary lubricants and non-staining extreme pressure compounds. **WinKool 3110HD** also works well as a tube mill lubricant for both the forming and cut-off. It will not smoke at the welder tip. **WinKool 3110HD's** micro-emulsion particle size is less than four microns in most water supplies, resulting in a clear using mix, allowing operators good visibility of the work in progress.

TYPICAL PROPERTIES

Appearance	Amber Liquid
Foaming	Controlled (low)
pH	<10 (undiluted)
Solubility	Excellent
Specific Gravity	1.033 (water = 1.0)
Lubricity	Excellent

USING PROCEDURES

WinKool 3110HD is recommended for use at concentrations between 5-50% (v/v) (1:1 – 1:20). Consult your Win Solutions representative for the optimum operating concentrations.

MATERIAL SAFETY

WinKool 3110HD is safe for high speed machining and grinding operations on all ferrous and non-ferrous metals.

STORAGE

WinKool 3110HD should be stored a normal room temperature. If accidentally frozen, thaw and roll container to remix.

SAFETY

Please refer to the label and Safety Data Sheets for all warnings, recommendations and other regulatory information. Copies of the Safety Data Sheets are available from the Win Solutions office or your local representative.

Win Solutions, Inc.
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Fax: 870-572-9696
www.solutionswin.com

WinKool 3111HD

SYNTHETIC MACHINING AND GRINDING FLUID

◆ Safe on Equipment and Tooling

◆ Low Foaming

WinKool 3111HD is a premium synthetic metalworking fluid fortified with high-grade EP and Lubricity additives, inhibitors and foam control features suitable for central systems as well as single machines. **WinKool 3111HD** is a mixture of premium boundary lubricants and non-staining extreme pressure compounds. **WinKool 3111HD** also works well as a tube mill lubricant for both the forming and cut-off. It will not smoke at the welder tip. **WinKool 3111HD's** micro-emulsion particle size is less than four microns in most water supplies, resulting in a clear using mix, allowing operators good visibility of the work in progress.

TYPICAL PROPERTIES

Appearance	Amber Liquid
Foaming	Controlled (low)
pH	<10 (undiluted)
Solubility	Excellent
Specific Gravity	1.033 (water = 1.0)
Lubricity	Excellent

USING PROCEDURES

WinKool 3111HD is recommended for use at concentrations between 5-50% (v/v) (1:1 – 1:20). Consult your Win Solutions representative for the optimum operating concentrations.

MATERIAL SAFETY

WinKool 3111HD is safe for high speed machining and grinding operations on all ferrous and non-ferrous metals.

STORAGE

WinKool 3111HD should be stored a normal room temperature. If accidentally frozen, thaw and roll container to remix.

SAFETY

Please refer to the label and Safety Data Sheets for all warnings, recommendations and other regulatory information. Copies of the Safety Data Sheets are available from the Win Solutions office or your local representative.

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WinKool 3116CR

(Premium Semi-Synthetic Metalworking Fluid)

◆ Will NOT Stain Non-Ferrous Metals Including Domestic and Imported Aluminum

◆ More Bio-Resistant

◆ No Chlorine or Sulfur

WinKool 3116CR is a medium oil based semi-synthetic machining and grinding fluid that provides prolonged sump life as compared to many other semi-synthetic type metal working fluids. It provides remarkable machining and grinding results from a unique extreme pressure additive package. This additive package achieves excellent results without using stain-inducing chlorine and/or sulfur. This modern lubricating package contains no halogens, PNA's, DEA, or other known carcinogens. It is highly hard water-resistant and cleans off easily with mild alkaline cleaners, either soak or spray. Residues do not varnish, as in the case with many old-technology lubricating packages, which complicates delayed part cleaning. Due to its water-soluble mix,

TYPICAL PROPERTIES

Appearance	Clear Brown Liquid
Foaming Ability	Does not Foam
Solubility	Easily Emulsifies
Specific Gravity	1.06-1.09 (water = 1.0)
Lubricity	Extreme Pressure and Boundary

USING PROCEDURES

WinKool 3116CR is recommended for use at concentrations between 1:5 – 1:20. Consult your Win Solutions representative for the optimum operating concentrations. (Always add this product to water for best results.)

MATERIAL SAFETY

WinKool 3116CR is safe for high speed machining, grinding and tapping operations on most ferrous and non-ferrous metals. **WinKool 3116CR** has been used to replace many competitive semi-synthetic products that slightly stained various grades of domestic and imported aluminum.

STORAGE

WinKool 3116CR should be stored a normal room temperature. If accidentally frozen, thaw and roll container to remix.

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