

Metal Working Lubricants - keywords:

Multi metal, heavy duty, synthetic, grinding, semi-synthetic, machining, chlorinated, soluble oil, heat transfer, hydrotesting, mycobacteria resistant, tube forming.

See products fact sheets below.

1 **Description:**

TechKool FT3005 is a versatile, heavy-duty, semi-synthetic coolant for machining and grinding of ferrous and non-ferrous metals in heavy-duty operations, providing the combined benefits of a soluble and synthetic. It is formulated with emulsifiers, lubricity additives, extreme-pressure (EP) components and inhibitors that offer excellent residual corrosion protection. A bio-stable product, TechKool FT3005 yields high surface finish in a variety of operations and provides a high degree of cleanliness for machines, parts and systems.

This post is also available in: Spanish

Typical Properties (Not Specifications):

Appearance (concentrate)	Amber
Appearance (in-use)	Translucent Amber
Refractive Index (BRIX) Factor	1.6
pH (concentrate)	9,5
pH at 10%	9.5
Density (lbs/gal)	8.3
Volatile Organic Compounds (VOCs)	2.10%

Health & Safety

TechKool FT3005 is available in 55-gallon drums, 330 gallon totes and 5 gallon pails.

Storage And Handling: See Safety Data Sheet Before Use. Product be stored at temperatures between 45°F– 90°F. Do not expose to extreme high temperature due to container rupture. Do not pressurize drum or reuse empty container. Follow all safety regulations on label.

Non-Warranty: While the information and recommendations sent forth herein are believed to be accurate as of the date thereof, Fortech Products, Inc. makes no warranty with respect thereto and disclaims all liability for reliance therein.

Features / Benefits

- Metals: ferrous and non-ferrous, aluminum and all yellow metals
- Processes: machining, grinding and milling
- Enhanced biological control
- In-process protection of machinery and parts
- Maximizes worker acceptance
- Assures low treatment costs
- Excellent corrosion protection
- Waste-treatable

Mix / application & Use

Always add TechKool FT 3005 concentrate to the water and stir until uniformly mixed. Use premixed coolant as makeup to maintain performance. The makeup you select should balance the water evaporation rate with the coolant carryout rate. A Qualified Fortech Representative will work with your team to help achieve the most beneficial initial charge and make up concentrations for your operation.

2 Description:

TechKool FT 3010 M4 is a biostable semi-synthetic coolant for machining and grinding in a wide range of applications. TechKool FT 3010 M4 provides lubrication and corrosion protection of a soluble oil, with the cleanliness and biostability of a synthetic. While providing outstanding protecting against ferrous corrosion it is also compatible with pure aluminum, brass, and copper. This product has an outstanding foam profile, even in high pressure systems and is hard water compatible. TechKool FT 3010 M4 will stop sump odors, give you exceptionally long sump life and a clean, comfortable, safe work environment for machine operators. Free of Boron, Triazine, Secondary Amines and Chlorinated Additives.

Typical Properties (Not Specifications):

Appearance	Amber
pH (10%)	9.3-9.9
Density	0.98 - 0.99 g/ml
Refractive Index	x 1.8

Health & Safety

TechKool FT3010 M4 is available in 5 gallon pails, 55 gallon drums, and 330 gallon totes.

Storage And Handling: See Safety Data Sheet Before Use. Use at room temperature. Use at room temperature. Store at temperatures between 45°-90°F. Do not expose to extreme high temperature due to container rupture. Do not pressurize drum or reuse empty container. Follow all safety regulations on label.

Non-Warranty: While the information and recommendations sent forth herein are believed to be accurate as of the date thereof, Fortech Products, Inc. makes no warranty with respect thereto and disclaims all liability for reliance therein.

Features / Benefits

Metals: ferrous and non-ferrous metals, including high- or low-carbon steels, alloy steels, cast iron, nodular iron and gray iron, stainless steel, including automotive and aerospace grade aluminum alloys, titanium and exotic alloys

Processes: Turning, Milling, Drilling, Tapping and Grinding

Enhanced biological control, including Mycobacteria

In-process protection of machinery and parts

Low operational cost

Excellent corrosion protection

Waste treatable

Mix / application & Use

Always add FT 3010 M4 concentrate to the water and stir until uniformly mixed. Use premixed coolant as makeup to maintain performance. The makeup selected should balance the water evaporation rate with the coolant carryout rate. A qualified Fortech representative will work with your team to help achieve the most beneficial charge and makeup concentrations for your operation.

3 **Description:**

TechKool FT 3000R is a moderate to heavy-duty semi-synthetic coolant for machining and grinding in a wide range of applications. TechKool FT 3000R provides lubrication and corrosion protection of a soluble oil, with the cleanliness and biostability of a synthetic. While providing outstanding protecting against ferrous corrosion it is also compatible with pure aluminum, brass, and copper. This product has an outstanding foam profile, even in high pressure systems and is hard water compatible. TechKool FT 3000R will stop sump odors, give you exceptionally long sump life and a clean, comfortable, safe work environment for machine operators. Free of Boron, Triazine, Secondary Amines and Chlorinated Additives.

Typical Properties (Not Specifications):

Appearance	Slight haze/yellow
pH diluted	9.0-9.5
Density	1.03 g/ml
RI Factor	x 2.5

Health & Safety

TechKool FT3000R is available in 5 gallon pails, 55 gallon drums, and 330 gallon totes.

Storage And Handling: See Safety Data Sheet Before Use. Use at room temperature. Use at room temperature. Store at temperatures between 45°-90°F. Do not expose to extreme high temperature due to container rupture. Do not pressurize drum or reuse empty container. Follow all safety regulations on label.

Non-Warranty: While the information and recommendations sent forth herein are believed to be accurate as of the date thereof, Fortech Products, Inc. makes no warranty with respect thereto and disclaims all liability for reliance therein.

Features / Benefits

Metals: ferrous and non-ferrous metals, including high- or low-carbon steels, alloy steels, cast iron, nodular iron and gray iron, stainless steel, including automotive and aerospace grade aluminum alloys, titanium and exotic alloys

Processes: Turning, Milling, Drilling, Tapping and Grinding

Enhanced biological control

In-process protection of machinery and parts

Low operational cost

Excellent corrosion protection

Mild Odor

Mix / application & Use

Always add FT 3000R concentrate to the water and stir until uniformly mixed. Use premixed coolant as makeup to maintain performance. The makeup selected should balance the water evaporation rate with the coolant carryout rate. A qualified Fortech representative will work with your team to help achieve the most beneficial charge and makeup concentrations for your operation.

4 **Description:**

TechKool FT 3000 is a premium heavy-duty semi-synthetic coolant for machining in a wide range of applications. The product has a balanced lubricity, EP, and biocide package for use in a variety of machining operations to produce good part finish and prolonged tool life. This product combines excellent rust protection with low foaming characteristics and long sump life. It was formulated to reject tramp oil that can cause smoking or misting and premature spoilage of coolant. The low viscosity reduces fluid drag out, providing improved operating costs. TechKool FT 3000 will stop sump odors, give you exceptionally long sump life and a clean, comfortable, safe work environment for machine operators. TechKool FT 3000 is chlorine, sulfur, triazine (formaldehyde releaser), dicyclohexylamine (DCHA) (secondary amine), and 1,2-Benzisothiazolin-3-one (BIT) free.

Typical Properties (Not Specifications):

Appearance	Slight haze/yellow
pH diluted	9.2
Density	8.6 lb/gal
RI Factor	x 1.8

Health & Safety

TechKool FT3000 is available in 5 gallon pails, 55 gallon drums, and 330 gallon totes.

Storage And Handling: See Safety Data Sheet Before Use. Use at room temperature. Use at room temperature. Store temperatures between 45°-90°F. Do not expose to extreme high temperature due to container rupture. Do not pressurize drum or reuse empty container. Follow all safety regulations on label.

Non-Warranty: While the information and recommendations sent forth herein are believed to be accurate as of the date thereof, Fortech Products, Inc. makes no warranty with respect thereto and disclaims all liability for reliance therein.

Features / Benefits

Metals: ferrous and non-ferrous metals, including high- or low-carbon steels, alloy steels, cast iron, nodular iron and gray iron, stainless steel, including automotive and aerospace grade aluminum alloys, titanium and exotic alloys

Processes: Turning, Milling, Drilling, Tapping and Grinding

Enhanced biological control

In-process protection of machinery and parts

Low operational cost

Excellent corrosion protection

Mild Odor

Mix / application & Use

Always add TechKool FT3000 concentrate to the water and stir until uniformly mixed. Use premixed coolant as makeup to maintain performance. The makeup selected should balance the water evaporation rate with the coolant carryout rate. A qualified Fortech representative will work with your team to help achieve the most beneficial charge and makeup concentrations for your operation.

5 Description:

TechKool FT 4000C is a heavy-duty chlorinated metalworking fluid for machining in a wide range of applications. The product has a balanced lubricity, EP, and biocide package for use in a variety of machining operations to produce good part finish and prolonged tool life. This product combines excellent rust protection with low foaming characteristics and long sump life. It was formulated to reject tramp oil that can cause smoking or misting and premature spoilage of coolant. The low viscosity reduces fluid drag out, providing improved operating costs. TechKool FT 4000C will stop sump odors, give you exceptionally long sump life and a clean, comfortable, safe work environment for machine operators. TechKool FT 4000C is sulfur, triazine (formaldehyde releaser), dicyclohexylamine (DCHA) (secondary amine), and 1,2-Benzisothiazolin-3-one (BIT) free.

Typical Properties (Not Specifications):

Appearance	Slight haze/blue
pH diluted	9.2
Density	1.06 g/ml
RI Factor	x 2

Health & Safety

TechKool FT4000C is available in 5 gallon pails, 55 gallon drums, and 330 gallon totes.

Storage And Handling: See Safety Data Sheet Before Use. Use at room temperature. Use at room temperature. Store at temperatures between 45°-90°F. Do not expose to extreme high temperature due to container rupture. Do not pressurize drum or reuse empty container. Follow all safety regulations on label.

Non-Warranty: While the information and recommendations sent forth herein are believed to be accurate as of the date thereof, Fortech Products, Inc. makes no warranty with respect thereto and disclaims all liability for reliance therein.

Features / Benefits

Metals: ferrous and non-ferrous metals, including high- or low-carbon steels, alloy steels, cast iron, nodular iron and gray iron, stainless steel, including automotive and aerospace grade aluminum alloys, titanium and exotic alloys

Processes: Turning, Milling, Drilling, Tapping and Grinding

Enhanced biological control

In-process protection of machinery and parts

Low operational cost

Excellent corrosion protection

Mild Odor

Mix / application & Use

Always add TechKool FT4000C concentrate to the water and stir until uniformly mixed. Use premixed coolant as makeup to maintain performance. The makeup selected should balance the water evaporation rate with the coolant carryout rate. A qualified Fortech representative will work with your team to help achieve the most beneficial charge and makeup concentrations for your operation.

6 Description:

TechKool FT4000R is a medium to heavy-duty, synthetic cutting fluid that is optimal for machining and grinding of ferrous and non-ferrous alloys. A bio-stable coolant, this product combines excellent rust protection with low foaming characteristics and long sump life. It was formulated to reject tramp oil that can cause smoking or misting and premature spoilage of coolant. Being mineral oil free, it will run cleaner with less drag out and have improved part visibility over oil containing products. TechKool FT 4000R is chlorine, sulfur, triazine (formaldehyde releaser), dicyclohexylamine (DCHA) (secondary amine), and 1,2-Benzisothiazolin-3-one (BIT) free.

Typical Properties (Not Specifications):

Appearance (concentrate)	Slight Haze Yellow Liquid
Appearance (working range)	Clear
Refractive Index (BRIX) Factor:	2.7
pH (concentrate)	9.2
pH (10%)	8.9
Density (lbs/gal):	8.6

Health & Safety

TechKool FT4000R is available in 55-gallon drums, 330 gallon totes and 5 gallon pails.

Storage And Handling: See Safety Data Sheet Before Use. Use at room temperature. Use at room temperature. Store at temperatures between 45°-90°F. Do not expose to extreme high temperature due to container rupture. Do not pressurize drum or reuse empty container. Follow all safety regulations on label.

Non-Warranty: While the information and recommendations sent forth herein are believed to be accurate as of the date thereof, Fortech Products, Inc. makes no warranty with respect thereto and disclaims all liability for reliance therein.

Features / Benefits

- Metals: ferrous, non-ferrous and high strength alloys
- Processes: heavy-Duty: machining, grinding
- Increased tool life
- Improved surface finish
- Low foaming
- Rejects tramp oil
- Long sump life
- Lowered maintenance cost
- Excellent corrosion protection
- Clean-running
- Pleasant odor

Mix / application & Use

Always add TechKool FT 4000R concentrate to the water and stir until uniformly mixed. Use premixed coolant as makeup to maintain performance. The makeup you select should balance the water evaporation rate with the coolant carryout rate. A qualified Fortech representative will work with your team to help achieve the most beneficial initial charge and make-up concentrations for your operation.

7 Description:

TechKool FT4000D is a medium duty, synthetic cutting fluid that is optimal for machining and grinding of ferrous alloys as well as light duty non-ferrous alloys. A bio-stable coolant, this product combines excellent rust protection with low foaming characteristics and long sump life. It was formulated to reject tramp oil that can cause smoking or misting and premature spoilage of coolant. Being mineral oil free, it will run cleaner with less drag out and have improved part visibility over oil containing products. TechKool FT 4000D is chlorine, sulfur, triazine (formaldehyde releaser), dicyclohexylamine (DCHA) (secondary amine), and 1,2-Benzisothiazolin-3-one (BIT) free.

Typical Properties (Not Specifications):

Appearance (concentrate)	Slight Haze Yellow Liquid
Appearance (working range)	Clear
Refractive Index (BRIX) Factor:	2.7
pH (concentrate)	9.2
pH (10%)	8.9
Density (lbs/gal):	8.6

Health & Safety

TechKool FT4000D is available in 55-gallon drums, 330 gallon totes and 5 gallon pails.

Storage And Handling: See Safety Data Sheet Before Use. Use at room temperature. Use at room temperature. Store at temperatures between 45°-90°F. Do not expose to extreme high temperature due to container rupture. Do not pressurize drum or reuse empty container. Follow all safety regulations on label.

Non-Warranty: While the information and recommendations sent forth herein are believed to be accurate as of the date thereof, Fortech Products, Inc. makes no warranty with respect thereto and disclaims all liability for reliance therein.

Features / Benefits

- Metals: ferrous, and some non-ferrous applications
- Processes: Medium-Duty: machining, grinding
- Increased tool life
- Improved surface finish
- Low foaming
- Rejects tramp oil
- Long sump life
- Lowered maintenance cost
- Excellent corrosion protection
- Clean-running
- Pleasant odor

Mix / application & Use

Always add TechKool FT 4000D concentrate to the water and stir until uniformly mixed. Use premixed coolant as makeup to maintain performance. The makeup you select should balance the water evaporation rate with the coolant carryout rate. A qualified Fortech representative will work with your team to help achieve the most beneficial initial charge and make-up concentrations for your operation.

8 Description:

TechKool FT 4000A is a light to medium duty, synthetic cutting fluid that is optimal for machining, grinding and tube forming of ferrous alloys as well as light duty non-ferrous alloys. A bio-stable coolant, this product combines excellent rust protection with low foaming characteristics and long sump life. It was formulated to reject tramp oil that can cause smoking or misting and premature spoilage of coolant. Being mineral oil free, it will run cleaner with less drag out and have improved part visibility over oil containing products. TechKool FT 4000A is chlorine, sulfur, triazine (formaldehyde releaser), dicyclohexylamine (DCHA) (secondary amine), and 1,2-Benzisothiazolin-3-one (BIT) free.

Typical Properties (Not Specifications):

Appearance (concentrate)	Slight Haze Yellow Liquid
Appearance (working range)	Microemulsion
Refractive Index (BRIX) Factor:	3.57
pH (concentrate)	9.08
pH (10%)	8.6
Density (lbs/gal):	8.6

Health & Safety

TechKool FT 4000A is available in 55-gallon drums, 330 gallon totes and 5 gallon pails.

Storage And Handling: See Safety Data Sheet Before Use. Use at room temperature. Use at room temperature. Store at temperatures between 45°-90°F. Do not expose to extreme high temperature due to container rupture. Do not pressurize drum or reuse empty container. Follow all safety regulations on label.

Non-Warranty: While the information and recommendations sent forth herein are believed to be accurate as of the date thereof, Fortech Products, Inc. makes no warranty with respect thereto and disclaims all liability for reliance therein.

Features / Benefits

Metals: ferrous, and some non-ferrous applications

Processes: machining, grinding, tube forming

Low foaming

Rejects tramp oil

Long sump life

Lowered maintenance cost

Excellent corrosion protection

Clean-running

Pleasant odor

Mix / application & Use

Always add TechKool FT 4000A concentrate to the water and stir until uniformly mixed. Use premixed coolant as makeup to maintain performance. The makeup you select should balance the water evaporation rate with the coolant carryout rate. A qualified Fortech representative will work with your team to help achieve the most beneficial initial charge and make-up concentrations for your operation.

9 **Description:**

TechKut FT 702 CHP is a medium to heavy-duty, chlorinated, straight oil machining and grinding oil, formulated with hydrotreated heavy naphthenic base stock. The product has a balanced lubricity and EP for use in both machining and grinding operations. The lubricity and EP package includes a combination of ester and EP additive derived from chlorine, vegetable oil, active and inactive sulfur to produce good part finish and exceptional tool life. TechKut FT 702 CHP reduces fluid drag out, providing improved operating costs. TechKut FT 702 CHP has a low odor for ease of use and disposal and does not produce a sticky residue on parts.

Typical Properties (Not Specifications):

Appearance	Clear Amber Oil
Density	0.923@60°F (Specific Gravity, H2O=1)
Viscosity (cSt at 40°C)	23-26 cSt @ 40°C

Health & Safety

TechKut FT 702 CHP is available in 55-gallon drums, 330-gallon totes and pails.

Storage And Handling: See Safety Data Sheet Before Use. Use at room temperature. If frozen, allow to thaw completely prior to use. Do not expose to extreme high temperature due to container rupture. Do not pressurize drum or reuse empty container. Follow all safety regulations on label.

Non-Warranty: While the information and recommendations sent forth herein are believed to be accurate as of the date thereof, Fortech Products, Inc. makes no warranty with respect thereto and disclaims all liability for reliance therein.

Features / Benefits

- High lubricant film strength
- Extreme pressure properties
- Designed for medium to heavy duty machining and grinding operations
- Easily cleaned with an alkaline cleaner
- Mild odor

Mix / application & Use

TechKut FT 702 CHP is a straight oil and is designed to be used neat. Applications typically consist of spray and flood. Your application method must be designed to fulfill your desired lubricant film thickness. A Fortech Customer Representative will work with your team on a correct usage and application to serve your needs.

10 Description:

TechKool FT4000 is a premium heavy-duty, synthetic metalworking fluid that is optimal for machining and grinding of ferrous and non-ferrous alloys, even critical aluminum operations. A bio-stable coolant, this product combines excellent rust protection with low foaming characteristics and long sump life. It was formulated to reject tramp oil that can cause smoking or misting and premature spoilage of coolant. Being mineral oil free, it will run cleaner with less drag out and have improved part visibility over oil containing products. TechKool FT 4000 is chlorine, sulfur, triazine (formaldehyde releaser), dicyclohexylamine (DCHA) (secondary amine), and 1,2-Benzisothiazolin-3-one (BIT) free.

Typical Properties (Not Specifications):

Appearance (concentrate)	Semi Clear Yellow Liquid
Refractive Index (BRIX) Factor:	1.9
pH (concentrate)	9.33
pH (10%)	8.9
Density (lbs/gal):	8.59

Health & Safety

TechKool FT4000 is available in 55-gallon drums, 330 gallon totes and 5 gallon pails.

Storage And Handling: See Safety Data Sheet Before Use. Use at room temperature. Store at temperatures between 45°- 90°F. Do not expose to extreme high temperature due to container rupture. Do not pressurize drum or reuse empty container. Follow all safety regulations on label.

Non-Warranty: While the information and recommendations sent forth herein are believed to be accurate as of the date thereof, Fortech Products, Inc. makes no warranty with respect thereto and disclaims all liability for reliance therein.

Features / Benefits

Metals: ferrous, non-ferrous and high strength alloys
Processes: heavy-Duty: machining, grinding
Increased tool life
Improved surface finish
Low foaming
Rejects tramp oil
Long sump life
Lowered maintenance cost
Excellent corrosion protection
Clean-running
Pleasant odor

Mix / application & Use

Always add TechKool FT 4000 concentrate to the water and stir until uniformly mixed. Use premixed coolant as makeup to maintain performance. The makeup you select should balance the water evaporation rate with the coolant carryout rate. A qualified Fortech representative will work with your team to help achieve the most beneficial initial charge and make-up concentrations for your operation.

11 Description:

TechKool FT4001 is a heavy-duty, synthetic cutting fluid that is optimal for machining and grinding of ferrous and non-ferrous alloys. A bio-stable coolant, this product combines excellent rust protection with low foaming characteristics and long sump life. It was formulated to reject tramp oil that can cause smoking or misting and premature spoilage of coolant. This oil-rejecting fluid offers the necessary cooling properties for high speed operations.

This post is also available in: Spanish

Typical Properties (Not Specifications):

Appearance (concentrate)	Clear Blue
Appearance (working range)	Clear Light Blue
Refractive Index (BRIX) Factor:	2.5
pH (concentrate)	9.62
pH (operating range)	9.5-10.5
Density (lbs/gal):	8.5
Volatile Organic Compounds (VOCs)	2%

Health & Safety

TechKool FT4001 is available in 55-gallon drums, 330 gallon totes and 5 gallon pails.

Storage And Handling: See Safety Data Sheet Before Use. Use at room temperature. Store at temperatures between 45°- 90°F. Do not expose to extreme high temperature due to container rupture. Do not pressurize drum or reuse empty container. Follow all safety regulations on label.

Non-Warranty: While the information and recommendations sent forth herein are believed to be accurate as of the date thereof, Fortech Products, Inc. makes no warranty with respect thereto and disclaims all liability for reliance therein.

Features / Benefits

- Metals: ferrous, non-ferrous and high strength alloys
- Processes: heavy-Duty: machining, grinding
- Increased tool life
- Improved surface finish
- Low foaming
- Rejects tramp oil
- Long sump life
- Lowered maintenance cost
- Excellent corrosion protection
- Clean-running

Mix / application & Use

Always add TechKool FT 4001 concentrate to the water and stir until uniformly mixed. Use premixed coolant as makeup to maintain performance. The makeup you select should balance the water evaporation rate with the coolant carryout rate. A qualified Fortech representative will work with your team to help achieve the most beneficial initial charge and make-up concentrations for your operation.

12 **Description:**

TechKool FT 4000RP is a light duty, synthetic cutting fluid that is optimal for light ferrous machining, grinding, and hydrotesting of ferrous alloys where rust protection is critical prior to as well as safe on non-ferrous alloys. A bio-stable coolant, this product combines excellent rust protection with low foaming characteristics and long sump life. It was formulated to reject tramp oil that can cause smoking or misting and premature spoilage of coolant. Being mineral oil free, it will run cleaner with less drag out and have improved part visibility over oil containing products. TechKool FT 4000RP is chlorine, sulfur, triazine (formaldehyde releaser), dicyclohexylamine (DCHA) (secondary amine), and 1,2-Benzisothiazolin-3-one (BIT) free.

Typical Properties (Not Specifications):

Appearance (concentrate)	Slight Haze Amber Liquid
pH (concentrate)	9.5
Density (g/ml):	1.03

Health & Safety

TechKool FT 4000RP is available in 55-gallon drums, 330 gallon totes and 5 gallon pails.

Storage And Handling: See Safety Data Sheet Before Use. Use at room temperature. Store at temperatures betw 45°- 90°F. Do not expose to extreme high temperature due to container rupture. Do not pressurize drum or reus empty container. Follow all safety regulations on label.

Non-Warranty: While the information and recommendations sent forth herein are believed to be accurate as of the date thereof, Fortech Products, Inc. makes no warranty with respect thereto and disclaims all liability for reliance therein.

Features / Benefits

Metals: ferrous, and some non-ferrous applications

Processes: machining, grinding, hydrotesting

Low foaming

Rejects tramp oil

Long sump life

Lowered maintenance cost

Excellent corrosion protection

Clean-running

Pleasant odor

Mix / application & Use

Always add TechKool FT 4000RP concentrate to the water and stir until uniformly mixed. Use premixed coolant as makeup to maintain performance. The makeup you select should balance the water evaporation rate with the coolant carryout rate. A qualified Fortech representative will work with your team to help achieve the most beneficial initial charge and make-up concentrations for your operation.

13 Description:

TechKool FT4100 is a general purpose, bio-stable, light to medium duty synthetic cutting/grinding fluid for ferrous alloys. TechKool FT4100 combines excellent rust protection, is low foaming and offers long sump life. It was formulated to reject tramp oil that can cause smoking or misting and premature spoilage of coolant.

This post is also available in: Spanish

Typical Properties (Not Specifications):

Appearance (concentrate)	Clear Green
Appearance (working range)	Clear Light Green
Refractive Index (BRIX) Factor:	3.3
pH (concentrate)	9.42
pH (operating range)	9.4
Density (lbs/gal):	8.6
Volatile Organic Compounds (VOCs)	1%

Health & Safety

TechKool 4100 is available in 55-gallon drums, 330 gallon totes and 5 gallon pails.

Storage And Handling: See Safety Data Sheet Before Use. Use at room temperature. Store at temperatures between 45°- 90°F. Do not expose to extreme high temperature due to container rupture. Do not pressurize drum or reuse empty container. Follow all safety regulations on label.

Non-Warranty: While the information and recommendations sent forth herein are believed to be accurate as of the date thereof, Fortech Products, Inc. makes no warranty with respect thereto and disclaims all liability for reliance therein.

Features / Benefits

- Light to Medium duty
- Metals: ferrous alloys
- Processes: machining, grinding
- Rejects tramp oil
- Low foaming
- Long sump life
- Improved surface finish
- Excellent rust protection
- Clean-running

Mix / application & Use

Always add TechKool FT 4100 concentrate to the water and stir until uniformly mixed. Use premixed coolant as makeup to maintain performance. The makeup you select should balance the water evaporation rate with the coolant carryout rate. A qualified Fortech representative will work with your team to help achieve the most beneficial initial charge and make up concentrations for your operation.

14 Description:

TechKool FT 3000D is a moderate to heavy-duty semi-synthetic coolant, primarily for ferrous machining and grinding applications. TechKool FT 3000D provides lubrication and corrosion protection of a soluble oil, with the cleanliness and biostability of a synthetic. This product has an outstanding foam profile, even in high pressure systems and is hard water compatible. TechKool FT 3000D will stop sump odors, give you exceptionally long sump life and a clean, comfortable, safe work environment for machine operators. Free of Boron, Triazine, Secondary Amines and Chlorinated Additives.

Typical Properties (Not Specifications):

Appearance	Translucent yellow
pH concentrate	9.4-9.6
Density	1.03 g/ml
RI Factor	x 2.41

Health & Safety

TechKool FT3000D is available in 5 gallon pails, 55 gallon drums, and 330 gallon totes.

Storage And Handling: See Safety Data Sheet Before Use. Use at room temperature. Store at temperatures between 45°-90°F. Do not expose to extreme high temperature due to container rupture. Do not pressurize drum or reuse empty container. Follow all safety regulations on label.

Non-Warranty: While the information and recommendations sent forth herein are believed to be accurate as of the date thereof, Fortech Products, Inc. makes no warranty with respect thereto and disclaims all liability for reliance therein.

Features / Benefits

Metals: ferrous, including high-or low-carbon steels, alloy steels, cast iron, nodular iron and gray iron, and stainless steel

Processes: Turning, Milling, Drilling, Tapping and Grinding

Enhanced biological control

In-process protection of machinery and parts

Low operational cost

Excellent corrosion protection

Mild Odor

Mix / application & Use

Always add FT 3000D concentrate to the water and stir until uniformly mixed. Use premixed coolant as makeup to maintain performance. The makeup selected should balance the water evaporation rate with the coolant carryout rate. A qualified Fortech representative will work with your team to help achieve the most beneficial charge and makeup concentrations for your operation.

15 Description:

TechKool FT2001 is a water-soluble, cost-effective, bio-stable, general-purpose oil for metal removal. The emulsion created by this product leaves a light oily residue for rust protection. TechKool FT2001 is manufactured from premium-quality virgin mineral oils and fortified with a special additive package for superior long-term, trouble-free performance and exceptional tool life.

This post is also available in: Spanish

Typical Properties (Not Specifications):

Appearance	Amber Oil
%Non-Volatile Solids	98
Specific Gravity @ 60oF, ASTM D-1298	0.93
Pounds Per Gallon, ASTM D-1298	7.76
pH @ 10.0% (IN Detroit H2O), FWI 3.02	9

Health & Safety

TechKool FT2001 is available in 55-gallon drums, 330 gallon totes and 5 gallon pails.

Storage And Handling: See Safety Data Sheet Before Use. Use at room temperature. Store at temperatures between 45°- 90°F. Do not expose to extreme high temperature due to container rupture. Do not pressurize drum or reuse empty container. Follow all safety regulations on label.

Non-Warranty: While the information and recommendations sent forth herein are believed to be accurate as of the date thereof, Fortech Products, Inc. makes no warranty with respect thereto and disclaims all liability for reliance therein.

Features / Benefits

- Metals: ferrous and non-ferrous
- Processes: general machining, grinding
- Easily emulsifiable concentrate
- Long-term emulsion stability
- Exceptional reserve alkalinity
- Superior rust and corrosion protection
- Excellent foam control

Mix / application & Use

Always add TechKool FT2001 concentrate to the water and stir until uniformly mixed. Use premixed coolant as makeup to maintain performance. The makeup you select should balance the water evaporation rate with the coolant carryout rate. A qualified Fortech representative will work with your team to help achieve the most beneficial initial charge and make up concentrations for your operation.

16 Description:

TechKool FT2005 is a general-purpose soluble oil that operates independent of sump-side additives even in the most severe conditions. This product requires minimal maintenance aside from concentration control. Customers enjoy significantly longer sump life and odor-free operation without the use of sump-side additives. This product effectively removes most coolant-related issues from your daily schedule and provides excellent lubricity due to high oil content and extreme pressure additives.

This post is also available in: Spanish

Typical Properties (Not Specifications):

Appearance	Dark Blue
Appearance (working range)	Translucent Blue
Refractive Index (BRIX) Factor	1
pH (concentrate)	10.5
pH (operating range)	10.5
Density (lbs/gal)	7.8
Volatile Organic Compounds (VOCs)	1.10%

Health & Safety

TechKool FT2005 is available in 55-gallon drums, 330 gallon totes and 5 gallon pails.

Storage And Handling: See Safety Data Sheet Before Use. Use at room temperature. Store at temperatures between 45°- 90°F. Do not expose to extreme high temperature due to container rupture. Do not pressurize drum or reuse empty container. Follow all safety regulations on label.

Non-Warranty: While the information and recommendations sent forth herein are believed to be accurate as of the date thereof, Fortech Products, Inc. makes no warranty with respect thereto and disclaims all liability for reliance therein.

Features / Benefits

Metals: ferrous and non-ferrous metals, high or low carbon steels, alloy steels, cast iron, nodular iron and gray iron, stainless steel, including automotive and aerospace grade aluminum alloys, titanium and exotic alloys

Processes: machining, grinding, milling

Boron free

Heavy-duty

Non-foaming

Bio-stable

Mix / application & Use

Always add TechKool FT2005 concentrate to the water and stir until uniformly mixed. Use premixed coolant as makeup to maintain performance. The makeup you select should balance the water evaporation rate with the coolant carryout rate. A qualified Fortech representative will work with your team to help achieve the most beneficial initial charge and make-up concentrations for your operation.

17 Description:

TechKool FT PG 30 in an inhibited Propylene Glycol Fluid used to provide freeze and burst protection for hot and chilled, closed loop water systems while inhibiting the formation of corrosion.

Applications Include:

- HVAC Systems
- Process Cooling and Heating
- Solar Heating
- Refrigeration Warehouse Floor Heating
- Thermal Energy Sources
- Ice Rinks
- Computer Cooling Systems

Typical Properties (Not Specifications):

Propylene Glycol	29
% wt Inhibitors and Water	71
pH of Solution	8.9-10.2

Health & Safety

TechKool FT PG 30 Heat Transfer Fluid is available in 55-gallon drums, 330 gallon totes and 5 gallon pails.

Storage And Handling: See Safety Data Sheet Before Use. Use at room temperature.

Non-Warranty: While the information and recommendations sent forth herein are believed to be accurate as of the date thereof, Fortech Products, Inc. makes no warranty with respect thereto and disclaims all liability for reliance therein.

Features / Benefits

- Freeze and Burst Protection
- Reduces Corrosion
- Low Toxicity

Mix / application & Use

TechKool FT PG 30 should be diluted in water containing <50ppm hardness and <25ppm sulfate and chlorides. DI or distilled water is recommended.