

Rustlick™

High Performance Metalworking Fluids



where science meets metal



TW ROCOL® North America



Rustlick delivers more than just great performance

At Rustlick we are committed to staying on the forefront of technical advancements. Our goal is to offer our customers innovative products that improve their productivity and profitability, all while maintaining the highest levels of customer support.

The Rustlick product line consists of a variety of cutting & grinding coolants designed to lubricate and cool. Rustlick coolants are known for long sump life, advanced bioresistance and heavy-duty formulations. We also offer dielectric fluids, rust preventatives, sump-side additives and coolant maintenance equipment.

HEAVY-DUTY COOLANTS:

Rustlick products run at low concentrations, reducing coolant use and cutting costs.

HARD WATER STABLE:

Rustlick coolants last more than 2x as long in hard water environments.

LONG SUMP LIFE:

Rustlick products increase operational sump life by 30-50%.

QUALITY ASSURED:

Our manufacturing plant is ISO 9001:2008 certified.

INNOVATIVE:

Continuous product development is a main focus of our R&D team. Just look at all the new products in this catalog!



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TW **ROCOL® North America**

ITW ROCOL North America, a division of Illinois Tool Works Inc. (ITW), is an industry leader in the development and production of scientifically advanced fluid products and equipment for the metalworking industry. These include eco-friendly lubricants & tapping fluids, cutting & grinding fluids, rust preventatives, stamping lubricants, aqueous cleaners, coolant maintenance equipment and minimum quantity lubrication systems. By continually focusing on advancements in production, safety and service we strive to uphold the Guiding Principles of ITW.



LONG-LASTING WATER-SOLUBLE OILS

Longest operating life with unmatched machining performance

ULTRACUT Aero

NEW

Premium, ultra long-lasting water-soluble oil with advanced bioresistance, extreme pressure additives and boundary lubricants for heavy-duty use.

CHARACTERISTICS

- Specifically designed for aluminum, titanium, stainless steel, Inconel
- Maximum protection against bacteria and fungus
- No chlorine, sulfur, boron, phenols or nitrites

BENEFITS

- Meets Aerospace regulatory requirements
- Dramatically extends tank life and improves tool life
- Excellent part quality and surface integrity

| Part No. | Size |
|------------|--------------|
| 74405..... | 5 gal. pail |
| 74455..... | 55 gal. drum |

ULTRACUT Pro

NEW

Premium, long-lasting water-soluble oil with chlorinated extreme pressure additives and advanced bioresistance for heavy-duty use.

CHARACTERISTICS

- Proven resistance to fungus and bacteria
- Outstanding lubricity and performance; great rust protection
- Recommended for ferrous & most nonferrous metals

BENEFITS

- Maximizes functional sump life
- Increases part integrity and machining tolerances
- Extends tool life; reduces tooling costs

| Part No. | Size |
|------------|--------------|
| 84405..... | 5 gal. pail |
| 84455..... | 55 gal. drum |

ULTRACUT Pro CF

NEW

Premium, chlorine free, extended-life water-soluble oil with added performance package and bioresistance for moderate to heavy-duty use.

CHARACTERISTICS

- Prevents rancidity and inhibits microbial growth
- Dependable performance; outstanding rust inhibitors
- Recommended for ferrous & nonferrous metals

BENEFITS

- Significantly prolongs coolant life
- Improves tool life; boosts productivity rates
- Enhances workpiece quality and surface finish

| Part No. | Size |
|------------|--------------|
| 83305..... | 5 gal. pail |
| 83355..... | 55 gal. drum |



VEGETABLE-BASED

ULTRACUT Green

NEW

High-lubricity, vegetable-based soluble oil with extreme pressure additives and superior bioresistance for heavy-duty use.

CHARACTERISTICS

- "Green" plant-based technology; highest mechanical lubricity
- Outstanding microbial resistance and biological control
- Recommended for ferrous & most nonferrous metals

BENEFITS

- Durable lubrication comparable to straight oil
- Increases production rates; reduces tooling costs
- Significantly longer coolant and tool life
- Excellent workpiece quality and finish

| Part No. | Size |
|------------|--------------|
| 86605..... | 5 gal. pail |
| 86655..... | 55 gal. drum |

 Renewable Resources  Eco-Safe

ULTRACUT Green CF

NEW

Chlorine free, vegetable-based soluble oil with bioresistance and performance additives for moderate to heavy-duty use.

CHARACTERISTICS

- New plant-based technology with no mineral oil; exceptional lubricity
- Maximum resistance to bacteria and fungus
- Recommended for ferrous & nonferrous metals

BENEFITS

- Considerably extends serviceable tank life
- Great lubrication, cooling and flushing
- Improves efficiency and tool life; reduces residual stress
- Superior surface finishing and part quality

| Part No. | Size |
|------------|--------------|
| 85505..... | 5 gal. pail |
| 85555..... | 55 gal. drum |

WATER-SOLUBLE OILS

Better lubrication, excellent rust protection and great hard water stability

WS-5050

Superior water-soluble oil with extreme pressure additives for moderate and heavy-duty use.

CHARACTERISTICS

- Multipurpose, versatile product
- Dependable all-around performance
- Special additives protect neoprene seals
- Recommended for ferrous & most nonferrous metals

BENEFITS

- Compatible with CNC machining
- Provides great surface finish with less rework
- Extends tool life and reduces tooling costs

Part No. Size

| | |
|------------|---------------------|
| 74016..... | 1 gal. jug (4/case) |
| 74056..... | 5 gal. pail |
| 74556..... | 55 gal. drum |

WS-500A

Quality water-soluble oil with nonchlorinated extreme pressure additives for moderate-duty use.

CHARACTERISTICS

- Multi-metal versatility
- Thin oily-film corrosion protection
- Recommended for ferrous metals, aluminum and titanium
- Limited use on brass, bronze, copper

BENEFITS

- General-purpose coolant to use in a wide range of applications
- Noticeably increases tool life

Part No. Size

| | |
|------------|--------------|
| 74055..... | 5 gal. pail |
| 74555..... | 55 gal. drum |

WS-1000

NEW

Quality water-soluble oil with chlorinated extreme pressure additives and biostability for moderate to heavy-duty use.

CHARACTERISTICS

- Reliable biological control
- Great lubricity and corrosion inhibition
- Recommended for ferrous & most nonferrous metals

BENEFITS

- Easy to maintain; low change-over rate
- Better part finish

Part No. Size

| | |
|------------|--------------|
| 82205..... | 5 gal. pail |
| 82255..... | 55 gal. drum |

WS-1000 CF

NEW

Quality, chlorine free water-soluble oil with biostability and performance additives for moderate-duty use.

CHARACTERISTICS

- Proven biostability against bacteria
- Exceptional rust protection
- Recommended for ferrous & nonferrous metals

BENEFITS

- Enhances workpiece quality
- Trouble-free operation with fewer changeouts

Part No. Size

| | |
|------------|--------------|
| 81105..... | 5 gal. pail |
| 81155..... | 55 gal. drum |

WS-11

Economical water-soluble oil for light-duty use.

CHARACTERISTICS

- Chlorine, silicone free
- Thin oily-film corrosion protection
- Compatible with ferrous & nonferrous metals

BENEFITS

- Low cost solution
- Also use as a light film rust preventative

Part No. Size

| | |
|------------|---------------------|
| 74013..... | 1 gal. jug (4/case) |
| 74053..... | 5 gal. pail |
| 74553..... | 55 gal. drum |



SEMI-SYNTHETICS

Easy to maintain, low foaming and excellent biological stability

ULTRACUT 380R

NEW

Premium, ultra long-lasting semi-synthetic coolant with added performance package and biostability for moderate to heavy-duty use.

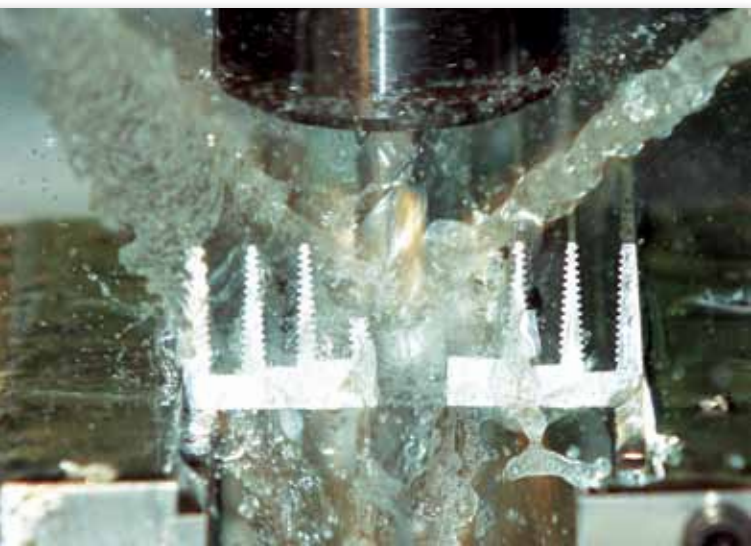
CHARACTERISTICS

- Aluminum friendly
- Prevents rancidity; inhibits microbial growth
- Dependable performance; high lubricity
- No chlorine, sulfur, boron, phenols, nitrites or triazines
- Recommended for all ferrous & nonferrous metals

BENEFITS

- Use in individual sumps and large central systems
- Ultra long-lasting; dramatically increases coolant life
- Keeps machines exceptionally clean
- Enhances workpiece quality and surface finish

| Part No. | Size |
|------------|--------------|
| 76005..... | 5 gal. pail |
| 76055..... | 55 gal. drum |



SS-405L

Quality semi-synthetic cutting fluid for moderate-duty use.

CHARACTERISTICS

- Good corrosion protection
- Recommended for ferrous & most nonferrous metals
- Limited use on aluminum

BENEFITS

- Improves shop cleanliness
- No gummy residue on parts or machines
- Low foaming in high-pressure/high-volume systems

| Part No. | Size |
|------------|--------------|
| 78405..... | 5 gal. pail |
| 78410..... | 55 gal. drum |

ULTRACUT 370R

Superior, chlorine free semi-synthetic coolant with biostability and performance package for moderate to heavy-duty use.

CHARACTERISTICS

- Multipurpose; chlorine free
- Inhibits bacterial and fungal growth; rejects tramp oil
- Recommended for ferrous & most nonferrous metals
- Limited use on aluminum

BENEFITS

- Great quenching and chip flushing
- Long sump life with less maintenance
- Ideal for high-pressure/high-volume systems; very low foaming
- Easy tramp oil skimming and cleaning

| Part No. | Size |
|------------|--------------|
| 74805..... | 5 gal. pail |
| 74855..... | 55 gal. drum |

ULTRACUT 375R

Superior, versatile semi-synthetic coolant with chlorinated extreme pressure additives and fungal control package for heavy-duty use.

CHARACTERISTICS

- Universal fluid; reliable rancidity control
- Recommended for ferrous & most nonferrous metals
- Limited use on aluminum

BENEFITS

- Easy care; extends operational coolant life
- Ideal for multi-material, multi-operational shops
- Cleaner machines and parts
- Great in high-pressure/high-volume systems; very low foaming

| Part No. | Size |
|------------|--------------|
| 74905..... | 5 gal. pail |
| 74955..... | 55 gal. drum |

SS-150

NEW

Economical semi-synthetic cutting fluid for light to moderate-duty use.

CHARACTERISTICS

- Low-cost; low-oil
- Will not stain aluminum
- Recommended for ferrous & nonferrous metals

BENEFITS

- Eliminates residue build-up on machines and parts
- Extremely low carryoff reduces operating costs

| Part No. | Size |
|------------|--------------|
| 76105..... | 5 gal. pail |
| 76155..... | 55 gal. drum |

SYNTHETICS – MACHINING



Minimal upkeep, fast cooling, clear work piece visibility and no mineral oil

PowerChip 2000

Premium synthetic coolant with extreme pressure additives for heavy-duty use.

CHARACTERISTICS

- Not susceptible to bacteria or fungus
- Chlorine free
- Good lubricity; minimizes misting
- Recommended for ferrous metals, titanium and high-nickel alloys

BENEFITS

- Improves coolant life and machine cleanliness
- Excellent quenching and chip removal

| Part No. | Size |
|------------|--------------|
| 76305..... | 5 gal. pail |
| 76355..... | 55 gal. drum |

SN-100A

Superior synthetic coolant for moderate to heavy-duty use.

CHARACTERISTICS

- Thin dry-film protection; added rust inhibitors
- Rejects tramp oil
- Recommended for ferrous metals and titanium
- Not recommended for aluminum, brass, bronze or copper

BENEFITS

- Easy to use and maintain; low carry-off
- Protects parts and machines from in-process corrosion

| Part No. | Size |
|------------|--------------|
| 73058..... | 5 gal. pail |
| 73558..... | 55 gal. drum |

Vytron-N

Superior synthetic cutting fluid for general-purpose use.

CHARACTERISTICS

- No mineral oil or CFCs
- Non-toxic when diluted
- Recommended for ferrous metals and titanium
- Not recommended for aluminum, brass, bronze or copper

BENEFITS

- Keeps tools and machines clean
- No insoluble soap buildup

| Part No. | Size |
|------------|---------------------|
| 75014..... | 1 gal. jug (4/case) |
| 75054..... | 5 gal. pail |
| 75554..... | 55 gal. drum |

PowerSaw

Quality synthetic coolant with performance additives for moderate to heavy-duty use.

CHARACTERISTICS

- Specially designed for sawing applications
- Chlorine free
- Recommended for ferrous metals and titanium
- Not recommended for aluminum, brass, bronze or copper

BENEFITS

- Longer blade life; reduces tooling costs
- Faster cutting times boost productivity

| Part No. | Size |
|------------|--------------|
| 76205..... | 5 gal. pail |
| 76255..... | 55 gal. drum |



SYNTHETICS – GRINDING

Low maintenance, outstanding quenching and exceptional wetting

G-1066L

Premium synthetic coolant for wheel grinding.

CHARACTERISTICS

- Compatible with bronze diamond wheels
- Added rust inhibitors leave a protective dry-film
- Recommended for ferrous metals, brass, bronze and copper
- Not recommended for aluminum
- Will not stain white ceramic

BENEFITS

- Quick fines removal; keeps wheels and machines clean
- Protects against in-process corrosion
- Improves surface finish and machining tolerances

Part No. Size

RL009 5 gal. pail
RL010 55 gal. drum

G-25J

Superior synthetic coolant for Blanchard, surface, centerless & cylindrical grinding.

CHARACTERISTICS

- Dry-film rust protection
- Good tramp oil rejection
- Recommended for ferrous metals, brass, bronze and copper

BENEFITS

- Easy cleaning; no sticky residue
- Trouble-free tramp oil skimming and cleaning

Part No. Size

75012 1 gal. jug (4/case)
75052 5 gal. pail
75552 55 gal. drum

G-1066D

Superior synthetic coolant for diamond wheel grinding.

CHARACTERISTICS

- Residual dry-film corrosion protection
- Recommended for ferrous & most nonferrous metals
- Not recommended for aluminum
- Will not stain white ceramic

BENEFITS

- Reduces wheel loading and chip packing
- Better part finishing and integrity

Part No. Size

75051 5 gal. pail
75551 55 gal. drum

G-25B

Quality synthetic coolant for Blanchard, surface, centerless & cylindrical grinding.

CHARACTERISTICS

- Economical solution
- Leaves a rust inhibiting protective film
- Recommended for ferrous metals, brass, bronze and copper

BENEFITS

- Great heat dissipation
- Prevents in-process rusting

Part No. Size

73562 5 gal. pail
73563 55 gal. drum



CARBIDE GRINDING

Carbide PowerGrind

Premium synthetic coolant for carbide grinding.

CHARACTERISTICS

- Contains inhibitors to prevent cobalt leaching
- Designed for machining tungsten carbide; works well on other materials

BENEFITS

- Prevents carbide damage; increases part integrity and strength
- Minimizes cobalt exposure to improve operator safety

Part No. Size

74052 5 gal. pail
74552 55 gal. drum

DIELECTRIC FLUIDS

Low viscosity, easy flushing and fast fines settling

EDM-500

Premium, cosmetic-grade synthetic dielectric fluid for Electric Discharge Machining.

CHARACTERISTICS

- High flash point and dielectric strength
- Low viscosity, power factor and acid value
- Resists thermal degradation
- Transparent, fluorescent green formula
- Virtually odorless
- No aromatics

BENEFITS

- Eliminates skin irritation
- Better electrode wear resistance
- Longer fluid life
- Faster metal-removal rates
- Improves surface finish; reduces polishing time

Part No. Size
72055.....5 gal. pail
72555.....55 gal. drum

EDM-250

Superior dielectric fluid for Electric Discharge Machining.

CHARACTERISTICS

- Good dielectric strength
- High flash point
- Clear, colorless formula
- Low viscosity and power factor

BENEFITS

- Extends fluid life
- Resists electrode wear
- Better surface quality

Part No. Size
72050.....5 gal. pail
72550.....55 gal. drum

EDM-30

Superior dielectric fluid for Electric Discharge Machining.

CHARACTERISTICS

- High flash point
- Low viscosity

BENEFITS

- Reduces smoke and odors

Part No. Size
72052.....5 gal. pail
72552.....55 gal. drum



RUST PREVENTATIVES & CORROSION INHIBITORS



Protect workpieces and machines from harmful rust and corrosion

631

Moisture-displacing rust preventative and penetrant.

CHARACTERISTICS

- Penetrates to displace water and moisture
- Apply by dipping or brushing; do not dilute with water
- Non-conductive and nonflammable

BENEFITS

- Two-year indoor rust protection
- Guards against flash rusting; leaves a protective thin film
- Easy to clean; reduces surface preparation time

Part No. Size

| | |
|------------|---------------------|
| 71011..... | 1 gal. jug (4/case) |
| 71051..... | 5 gal. pail |
| 71551..... | 55 gal. drum |

Rustlick B

Water-dilutable in-process corrosion inhibitor for ferrous metals.

CHARACTERISTICS

- Use on ferrous metals only
- Dilute with water at 3-10%

BENEFITS

- Use for short-term indoor storage ; prevents flash rusting
- No cleaning required before painting or plating
- Can be used for sand blasting or vibratory finishing

Part No. Size

| | |
|------------|---------------------|
| 73011..... | 1 gal. jug (4/case) |
| 73051..... | 5 gal. pail |
| 73551..... | 55 gal. drum |

RUST PREVENTATIVE AEROSOLS

631 Aerosol

Moisture-displacing rust preventative and penetrating spray.

CHARACTERISTICS

- Displaces moisture and water
- Easy aerosol spray application
- No chlorinated solvents
- Non-conductive

BENEFITS

- Long-term indoor rust protection, up to two years
- Clear, oily film protects against flash rusting
- Cleans easily

Part No. Size

| | |
|------------|--------------------------|
| 71101..... | 12 oz. aerosol (12/case) |
|------------|--------------------------|

606

Moisture-absorbing rust preventative.

CHARACTERISTICS

- Absorbs water and moisture
- Apply by dipping or brushing; do not dilute with water
- Non-conductive and nonflammable

BENEFITS

- Penetrates all cracks, pores, crevices and closed holes
- Can be used on wet parts with blind holes
- Long-term indoor rust protection, up to two years

Part No. Size

| | |
|------------|---------------------|
| 71152..... | 1 gal. jug (4/case) |
| 71052..... | 5 gal. pail |
| 71552..... | 55 gal. drum |

B-5J

Water-soluble, bimetallic rust inhibitor prevents galvanic corrosion between ferrous & most nonferrous metals.

CHARACTERISTICS

- For short-term, indoor storage rust protection
- Use on ferrous & most nonferrous metals
- Not recommended on aluminum

BENEFITS

- Prevents galvanic corrosion
- Great for vibratory finishing and sand blasting
- Protects against flash rusting

Part No. Size

| | |
|------------|--------------|
| 73052..... | 5 gal. pail |
| 73552..... | 55 gal. drum |

606 Aerosol

Moisture-absorbing rust preventative spray.

CHARACTERISTICS

- Absorbs moisture and water
- Convenient spray application
- No chlorinated solvents
- Non-conductive

BENEFITS

- Indoor corrosion protection for up to two-years
- Spreads into nooks, crannies, pores and gaps
- Leaves a transparent rust-inhibiting film

Part No. Size

| | |
|------------|--------------------------|
| 71102..... | 12 oz. aerosol (12/case) |
|------------|--------------------------|

SUMP-SIDE ADDITIVES & SPECIALTY PRODUCTS



Enhance and treat metalworking fluids for higher performance and longer tank life

Triadine 10

NEW

High-strength industrial microbiostat for treating bacteria and fungus.

CHARACTERISTICS

- Formulated with high strength bactericides and fungicides
- Combats microbial growth in metalworking fluid systems

BENEFITS

- Use in individual sumps and large central systems
- Eliminates rancid odors
- Extends functional sump life
- Stops fungus from blocking lines and filters

Part No. Size

88116..... 16 oz. bottle (6/case)
88101..... 1 gal. jug (4/case)

Triadine 20

Industrial microbiostat for treating bacteria and fungus.

CHARACTERISTICS

- Treats bacteria and fungus in metalworking fluids
- Broad-spectrum antimicrobial ingredients

BENEFITS

- Use in stand alone sumps or central coolant systems
- Reduces “Monday morning” smell
- Prolongs coolant life

Part No. Size

77116..... 16 oz. bottle (6/case)
77101..... 1 gal. jug (4/case)

Grotan

Broad spectrum bactericide for treating metalworking fluids.

CHARACTERISTICS

- Proven effectiveness against bacteria
- Compatible with all types of coolant

BENEFITS

- Use in individual sumps and large central systems
- Supports coolant functionality by controlling biodegradation
- Helps extend metalworking fluid life

Part No. Size

77116..... 16 oz. bottle (6/case)
77101..... 1 gal. jug (4/case)

Non-Silicone Defoamer

Anti-foam liquid treats foaming in machine sumps and washing systems.

CHARACTERISTICS

- Silicone and silica free
- Fast-acting formula

BENEFITS

- Use with most coolants, washing compounds and cleaners
- Controls excessive foam
- Won't interfere with painting or plating

Part No. Size

78640..... 1 gal. jug

SPECIALTY PRODUCTS

Kleenzol DY

Water-soluble alkaline sump, general shop cleaner.

CHARACTERISTICS

- Quick penetration
- Multipurpose, fast-acting formula

BENEFITS

- Use on a broad spectrum of soils & surfaces
- Easily removes built-up chips, residue, scum and insoluble soaps
- Protect machines against rust during cleaning

Part No. Size

76012..... 1 gal. jug (4/case)
76052..... 5 gal. pail
76552..... 55 gal. drum

RTD

Premium reaming, tapping and drilling fluid with extreme pressure additives.

CHARACTERISTICS

- Emulsifies in water; easy to clean
- Silicone free; no solvents

BENEFITS

- Improves cutting performance
- Actively strengthens cutting fluid properties
- Boosts tool life; superior surface finish

Part No. Size

69016..... 12 oz. bottle (6/case)
69001..... 1 gal. jug (4/case)
69005..... 5 gal. pail
69055..... 55 gal. drum

Startup Kit

Convenient, easy-to-use kit for coolant changeovers and cleaning.

INCLUDES:

- Triadine 20, 16 oz. bottle
- Kleenzol DY, 1 gal. jug
- 606 Aerosol, 12 oz. aerosol

BENEFITS

- Preps sump for fresh coolant
- Maximizes coolant performance and tank life

Part No.

78000

COOLANT MAINTENANCE EQUIPMENT & ACCESSORIES

Tools and accessories for metalworking fluid maintenance

Mini SC Coalescer

Compact coalescer and tramp oil separator.

CHARACTERISTICS

- High performance, heavy-duty coalescing media
- Pneumatic diaphragm pump
- Discharge valve for easy oil draining
- Quick disconnect fittings and molded handles for portability

BENEFITS

- Economically extends functional sump life
- Separates and removes entrained tramp oil from coolant
- Compact design with small footprint fits easily next to sumps
- Simple to empty and clean

SPECIFICATIONS

Flow Rate.....1-5 GPM
Dimensions.....24 x 21 x 27 in (61 x 53 x 69 cm)
Tank Capacity7 gal. (26.5 L)

Part No.

78955



SC3000 Coalescer

Portable, heavy-duty coalescer & tramp oil separator services and cleans multiple machines.

CHARACTERISTICS

- Pneumatic diaphragm pump
- Heavy-duty, powder-coated steel frame with wheel base
- Quick disconnect fitting on the intake float assembly
- Durable polyethylene tank

BENEFITS

- Dramatically increases operational coolant life
- Reduces fluid maintenance and related costs
- Cleans 5-10 machines with no downtime
- Efficient and easy to operate

SPECIFICATIONS

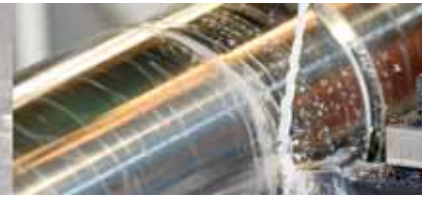
Flow Rate.....1-5 GPM
Dimensions.....21 x 18 x 38 in (53 x 46 x 97 cm)
Tank Capacity14 gal. (53.0 L)

Part No.

78100



COOLANT MAINTENANCE EQUIPMENT & ACCESSORIES



Tools and accessories for metalworking fluid maintenance

Universal Wheel Skimmer

Versatile wheel skimmer removes tramp oil.

CHARACTERISTICS

- Removes 1.5 gallons of tramp oil every hour
- Exclusive bi-directional oil drain
- Durable injection-molded frame
- 120v, single phase, 0.6 amp motor with internal overload
- Use in applications up to 125°F (52°C)

BENEFITS

- Reduces coolant maintenance and machine downtime
- Promotes longer sump life
- Compact design fits most sumps
- Easy to install and operate

Part No. Size
78034..... 12" Skimmer
78035..... 18" Skimmer



Steel Frame Skimmer

Heavy-duty wheel skimmer removes tramp oil from coolant & washing fluids.

CHARACTERISTICS

- Chemical and corrosion resistant steel frame and wheel
- Removes 1-2 gallons of tramp oil every hour
- Use in applications up to 125°F (52°C)

BENEFITS

- Extends the life of metalworking fluids
- Decreases machine downtime and fluid care
- Internal motor overload protects against overheating

Part No. Size
78012..... 12" Skimmer
78018..... 18" Skimmer



Refractometer

Quickly and accurately measures coolant concentration.

CHARACTERISTICS

- Wide measurement range, 0-32 Brix
- Clear-view eyepiece
- Bright, easy-to-read scale
- Portable, no batteries required
- No-slip handle; impact resistant body
- Compatible with all coolant types and brands

BENEFITS

- Quick, accurate readings
- Supports longer coolant life
- Reduces over-all coolant use

Part No.
78095



Drum Mixer/Proportioner

Sturdy drum mixer/proportioner automatically mixes coolant concentrate with water and dispenses the diluted solution into any container.

CHARACTERISTICS

- Works with all coolant types and brands
- 15 different color-coded ratio metering inserts

BENEFITS

- Guarantees precise coolant concentration
- Faster, easier and safer than mixing by hand
- Saves money by reducing coolant use
- Prevents messy, expensive fluid spills

Part No.
78096



PRODUCT SELECTION GUIDE

METALWORKING COOLANT SELECTION GUIDE

| | Coolant Type | Chlorine | Cast Iron | Carbon & Tool Steel | Stainless Steel | Titanium & Nickel Alloys | Aluminum | Brass, Bronze & Copper | Magnesium | Recommended Concentration | Refractometer Reading Range | Page |
|--------------------------|-----------------------|----------|-----------|---------------------|-----------------|--------------------------|----------|------------------------|-----------|---------------------------|-----------------------------|------|
| ULTRACUT Aero | Water-Soluble Oil | | ● | ● | ● | ● | ● | ● | ● | 3-10% | 3.0-9.2 | 4 |
| ULTRACUT Pro | Water-Soluble Oil | ✓ | ● | ● | ● | ● | ● | ● | ● | 3-10% | 3.1-9.2 | 4 |
| ULTRACUT Pro CF | Water-Soluble Oil | | ● | ● | ● | ● | ● | ● | ● | 3-10% | 3.1-9.2 | 4 |
| ULTRACUT Green | Soluble Vegetable Oil | ✓ | ● | ● | ● | ● | ● | ● | ● | 3-10% | 3.2-9.7 | 4 |
| ULTRACUT Green CF | Soluble Vegetable Oil | | ● | ● | ● | ● | ● | ● | ● | 3-10% | 3.1-9.5 | 4 |
| WS-5050 | Water-Soluble Oil | ✓ | ● | ● | ● | ● | ● | ● | ● | 3-10% | 3.2-9.7 | 5 |
| WS-500A | Water-Soluble Oil | | ● | ● | ● | ● | ● | ● | ● | 3-10% | 3.6-10.7 | 5 |
| WS-1000 | Water-Soluble Oil | ✓ | ● | ● | ● | ● | ● | ● | ● | 3-10% | 3.2-9.4 | 5 |
| WS-1000 CF | Water-Soluble Oil | | ● | ● | ● | ● | ● | ● | ● | 3-10% | 3.2-9.5 | 5 |
| WS-11 | Water-Soluble Oil | | ● | ● | ● | ● | ● | ● | ● | 3-10% | 3.5-10.6 | 5 |
| ULTRACUT 380R | Semi-Synthetic | | ● | ● | ● | ● | ● | ● | ● | 3-10% | 2.1-6.2 | 6 |
| ULTRACUT 375R | Semi-Synthetic | ✓ | ● | ● | ● | ● | ● | ● | ● | 3-10% | 2.4-7.2 | 6 |
| ULTRACUT 370R | Semi-Synthetic | | ● | ● | ● | ● | ● | ● | ● | 3-10% | 2.3-7.0 | 6 |
| SS-405L | Semi-Synthetic | | ● | ● | ● | ● | ● | ● | ● | 3-10% | 1.6-4.8 | 6 |
| SS-150 | Semi-Synthetic | | ● | ● | ● | ● | ● | ● | ● | 4-10% | 1.3-3.5 | 6 |
| PowerChip 2000 | Synthetic | | ● | ● | ● | ● | ● | ● | ● | 3-10% | 1.4-4.1 | 7 |
| SN-100A | Synthetic | | ● | ● | ● | ● | ● | ● | ● | 3-10% | 1.2-3.6 | 7 |
| Vytron-N | Synthetic | | ● | ● | ● | ● | ● | ● | ● | 3-10% | 1.3-3.8 | 7 |
| PowerSaw | Synthetic | | ● | ● | ● | ● | ● | ● | ● | 3-10% | 1.1-3.3 | 7 |

GRINDING COOLANT SELECTION GUIDE

| | Type of Grinding | Coolant Type | Cast Iron | Carbon & Tool Steel | Stainless Steel | Titanium & Nickel Alloys | Aluminum | Brass, Bronze & Copper | Tungsten Carbide | Recommended Concentrations | Refractometer Reading Range | Page |
|---------------------------|---------------------|--------------|-----------|---------------------|-----------------|--------------------------|----------|------------------------|------------------|----------------------------|-----------------------------|------|
| G-1066L | Wheel | S | ● | ● | ● | ● | ● | ● | ● | 3-10% | 1.1-3.0 | 8 |
| G-1066D | Diamond Wheel | S | ● | ● | ● | ● | ● | ● | ● | 3-10% | 1.2-3.6 | 8 |
| G-25J | Blanchard & Surface | S | ● | ● | ● | ● | ● | ● | ● | 3-10% | 1.2-3.6 | 8 |
| G-25B | Blanchard & Surface | S | ● | ● | ● | ● | ● | ● | ● | 5-10% | 1.0-2.0 | 8 |
| Carbide PowerGrind | Carbide | S | ● | ● | ● | ● | ● | ● | ● | 4-10% | 1.5-3.3 | 8 |

● Best ● Better ● Limited Use ● Not Recommended

PRODUCT TECHNICAL DATA



COOLANT TECHNICAL DATA

| Product | Concentrate Color | Dilute Color | Specific Gravity | pH at 10% | Chlorine | 1 gal. (4/cs) | 5 gal. | 55 gal. |
|--------------------|---------------------------|------------------------|------------------|-----------|----------|---------------|--------|---------|
| ULTRACUT Aero | Light brown | Milky white | 0.95 | 9.3 | No | | 74405 | 74455 |
| ULTRACUT Pro | Golden yellow/light brown | Milky white | 0.98 | 9.9 | Yes | | 84405 | 84455 |
| ULTRACUT Pro CF | Golden yellow/light brown | Milky white | 0.96 | 9.7 | No | | 83305 | 83355 |
| ULTRACUT Green | Golden yellow/light brown | Milky white | 0.98 | 9.7 | Yes | | 86605 | 86655 |
| ULTRACUT Green CF | Golden yellow/light brown | Milky white | 0.96 | 9.7 | No | | 85505 | 85555 |
| WS-5050 | Blue | Milky blue | 0.97 | 9.5 | Yes | 74016 | 74056 | 74556 |
| WS-500A | Dark brown | Milky white | 0.93 | 9.2 | No | | 74055 | 74555 |
| WS-1000 | Golden yellow/light brown | Milky white | 0.97 | 9.4 | Yes | | 82205 | 82255 |
| WS-1000 CF | Golden yellow/light brown | Milky white | 0.95 | 9.4 | No | | 81105 | 81155 |
| WS-11 | Dark brown | Milky white | 0.92 | 9.0 | No | 74013 | 74053 | 74553 |
| ULTRACUT 380R | Translucent blue | Translucent light blue | 0.99 | 9.9 | No | | 76005 | 76055 |
| ULTRACUT 375R | Translucent amber | Translucent | 1.01 | 9.8 | Yes | | 74905 | 74955 |
| ULTRACUT 370R | Translucent amber | Translucent | 1.00 | 9.8 | No | | 74805 | 74855 |
| SS-405L | Translucent amber | Translucent | 1.01 | 9.8 | No | | 78405 | 78410 |
| SS-150 | Translucent blue | Translucent light blue | 1.01 | 9.9 | No | | 76105 | 76155 |
| PowerChip 2000 | Dark blue | Clear bright blue | 1.08 | 9.8 | No | | 76305 | 76355 |
| SN-100A | Blue | Clear blue | 1.05 | 9.0 | No | | 73058 | 73558 |
| Vytron-N | Turquoise | Clear aqua | 1.05 | 9.8 | No | 75014 | 75054 | 75554 |
| PowerSaw | Dark blue | Clear bright blue | 1.06 | 9.0 | No | | 76205 | 76255 |
| G-1066L | Yellow/orange | Clear yellow | 1.06 | 9.3 | No | | RL009 | RL010 |
| G-1066D | Yellow/orange | Clear yellow | 1.07 | 9.9 | No | | 75051 | 75551 |
| G-25J | Dark green | Yellow/green | 1.08 | 9.8 | No | 75012 | 75052 | 75552 |
| G-25B | Yellow/orange | Yellow/green | 1.04 | 9.7 | No | | 73562 | 73563 |
| Carbide PowerGrind | Opaque green | Clear green | 1.04 | 10.2 | No | | 74052 | 74552 |

DIELECTRIC FLUID TECHNICAL DATA

| Product | Color | Specific Gravity | Viscosity at 40°C (cSt) | Viscosity at 100°F (SUS) | Flash Point | Allowable Burn Rate | 5 gal. | 55 gal. |
|---------|-------------------|------------------|-------------------------|--------------------------|---------------|---------------------|--------|---------|
| EDM-500 | Fluorescent green | 0.80 | 3.0 | 36.5 | 210°F (99°C) | 400 amps | 72055 | 72555 |
| EDM-250 | Colorless | 0.81 | 2.7 | 34.5 | 220°F (104°C) | 400 amps | 72050 | 72550 |
| EDM-30 | Colorless | 0.81 | 3.2 | 36.0 | 215°F (102°C) | 150 amps | 72052 | 72552 |

RUST PREVENTATIVE TECHNICAL DATA

| Product | Description | Specific Gravity | Viscosity at 40°C (cSt) | Flash Point | 12 oz. Aerosol (12/cs) | 1 gal. (4/cs) | 5 gal. | 55 gal. |
|-------------|-------------------------|------------------|-------------------------|-----------------|------------------------|---------------|--------|---------|
| 631 | Rust preventative | 0.82 | 4 | 180°F (82°C) | | 71011 | 71051 | 71551 |
| 606 | Rust preventative | 0.83 | 6 | 175°F (79°C) | | 71152 | 71052 | 71552 |
| Rustlick B | Corrosion inhibitor | 1.10 | N/A | None | | 73011 | 73051 | 73551 |
| B-5J | Corrosion inhibitor | 1.05 | N/A | > 200°F (93°C) | | | 73052 | 73552 |
| 631 Aerosol | Rust preventative spray | 0.81 | N/A | -156°F (-104°C) | 71101 | | | |
| 606 Aerosol | Rust preventative spray | 0.86 | N/A | -156°F (-104°C) | 71102 | | | |

SUMP-SIDE ADDITIVES & SPECIALTY FLUIDS TECHNICAL DATA

| Product | Description | Specific Gravity | Viscosity (cSt) | Flash Point | Other Sizes | 1 gal. (4/cs) | 5 gal. | 55 gal. |
|-----------------------|------------------|------------------|-----------------|-----------------|----------------------|---------------|--------|---------|
| Triadine 10 | Microbiostat | 1.17 | N/A | None | 16 oz. (6/cs): 88116 | 88101 | | |
| Triadine 20 | Microbiostat | 1.17 | N/A | None | 16 oz. (6/cs): 77116 | 77101 | | |
| Grotan | Bactericide | 1.15-1.16 | N/A | Not applicable | | 77011 | | |
| Non-Silicone Defoamer | Defoamer | 1.05 | N/A | 400°F (204°C) | | 78640 (1/cs) | | |
| Kleenzol DY | Alkaline cleaner | 1.02 | N/A | 110°F (43°C) | | 76012 | 76052 | 76552 |
| RTD | Tapping fluid | | 243 at 40°C | > 212°F (100°C) | 12 oz. (6/cs): 69016 | 69001 | 69005 | 69055 |

Rustlick™

Water-Soluble Oils, Semi-Synthetic Coolants, Synthetic Coolants,
Grinding Fluids, Sump-Side Additives, Rust Preventatives,
Dielectric Fluids & Coolant Maintenance Equipment



TW Rocol® North America *A Division of Illinois Tool Works Inc.*

TEL: (800) 452-5823 or (847) 657-5278

FAX: (800) 952-5823 or (847) 657-4897

info@rocolnorthamerica.com

www.rocolnorthamerica.com

3650 West Lake Ave, Glenview, IL 60026

