

# 10

## INDUSTRIAL MAINTENANCE REPAIR AND OVERHAUL



# FAST EVAPORATING CLEANING AND DEGREASING

AF-PL™ is a system with a base unit that automatically dispenses AF-PL™ liquid cleaner and compressed air into refillable spray cans. Save money by buying your cleaner in bulk and reduce costs associated with the disposal of aerosol cans, all while reducing your environmental impact.



## Air Force AF-PL™

Plastic-safe, fast-evaporating parts degreaser  
 AF-PL™ is a residue-free, fast-evaporating cleaner/degreaser that dissolves and removes grease, oil, and grime safely and effectively. Specially formulated for maximum compatibility with plastics and rubber-like compounds. Bulk packaging provides great cost-effectiveness.



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Liquid, trigger sprayer	500 ml	16.9 fl.oz.	53-C 553	L-65	12
Liquid	5 L	1.3 gal	53-C 556	L-65	1
Liquid	20 L	5.2 gal	53-C 557	L-65	1
Liquid	200 L	52.8 gal	53-C 558	L-65	1

ACCESSORIES	Order no.
Industrial pump sprayer for SC 400, PRO CLEAN, CB 100, AF-PL, FT 100 and OMNI.	53-L 120
Spout for 20 L round metal pail and 200L metal drum 3/4" NPT	53-L 208

### Applications

- ▷ *Cleaning metal parts in presence of plastic or gaskets*
- ▷ *Removal of grease and oil*

### Benefits

- ▷ *Eliminates aerosol disposal costs*
- ▷ *Reduces environmental impact*
- ▷ *Improves sustainability*

### Features

- ▷ *Cost-effective brake cleaner alternative*
- ▷ *Safe for most plastics and rubber compounds*
- ▷ *Non-chlorinated solvents penetrate and displace moisture*
- ▷ *Evaporates fast—no residues, no rinsing*

## AIR FORCE AF-PL™ START-UP PACKAGES

### Air Force AF-PL™ 20 L / 5.3 gal.

The start-up package includes:

- ▷ 1 x 53-C 557 AF-PL 20 L / 5.3 gal. pail
- ▷ 1 x 53-M 041 pail adaptor
- ▷ 6 x 53-M 101 refillable bottle
- ▷ 6 x 53-M 054 variable spray valve

Order no.: 53-M 012AFPLP



### Air Force AF-PL™ 200 L / 52.8 gal.

The start-up package includes:

- ▷ 1 x 53-C 558 AF-PL 200 L / 52.8 gal. drum
- ▷ 1 x 53-M 038 drum adaptor
- ▷ 1 x 53-M 025 safety valve
- ▷ 6 x 53-M 101 refillable bottle
- ▷ 6 x 53-M 054 variable spray valve

Order no.: 53-M 012AFPLD



### AF-PL™

Refillable sprayer

Durable and light weight aluminum AF-PL sprayer comes with an AF-PL specific label to clearly identify the contents and ensure full WHMIS and OSHA compliance.

**Fill capacity:** 400 ml / 13.5 oz

**Operating pressure:** 90 - 125 psi

Order no. 53-M 101



Optional nozzles	Order No.
Wide spray	53-M 022
Long extension tube	53-M 052
Variable spray	53-M 054
Accessories	Order No.
Air refilling station	53-M 010
Air nozzle	53-M 015
Replacement valve kit (includes 2 valves and 2 spray tips)	53-M 030
Brass screw cap	53-M 037
Replacement filling valve	53-M 039
Pail adaptor	53-M 041
Drum adaptor	53-M 038
Safety valve	53-M 025



No more disposing  
of hazardous  
aerosol cans



53-M 010

# FAST EVAPORATING CLEANING AND DEGREASING

## SLAP SHOT™

Fast evaporating degreaser

SLAP SHOT™ is a highly effective, residue-free, fast evaporating cleaner/degreaser that dissolves and removes grease, oil, and grime on contact. **NSF category K1, registration #154299 (Aerosol) #154300 (Liquid)**

### Applications

- ▷ *Cleaning and degreasing for maintenance and repair*
- ▷ *Preparing surfaces for painting or relubrication*

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	500 ml	16.9 fl.oz.	53-C 502	L-39	12
Liquid, trigger sprayer	500 ml	16.9 fl.oz.	53-C 503	L-40	12
Liquid	5 L	1.3 gal	53-C 506	L-40	1
Liquid	20 L	5.2 gal	53-C 507	L-40	1
Liquid	200 L	52.8 gal	53-C 508	L-40	1

ACCESSORIES	Order no.
Spout for 20 L round metal pail and 200L metal drum 3/4" NPT	53-L 208
Refillable trigger sprayer bottles	53-L 311

## SLAP SHOT™ PL

Plastic safe fast evaporating degreaser

SLAP SHOT™ PL is a highly effective, residue-free, fast evaporating cleaner/degreaser that dissolves and removes grease, oil, and grime on contact. Specially formulated for maximum compatibility with plastics and rubber-like compounds.

### Applications

- ▷ *Cleaning metal parts in presence of plastic or gaskets*
- ▷ *Removal of grease and oil*

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	400 ml	13.5 fl.oz.	53-C 552	L-64	12



### Benefits

- ▷ *Fast acting—dissolves stubborn contaminants quickly and completely*
- ▷ *No residues, no rinsing*

### Features

- ▷ *Versatile*
- ▷ *Safe on all metals*
- ▷ *Free of chlorinated solvent*
- ▷ *Strong aerosol jet*



### Benefits

- ▷ *Fast acting—dissolves stubborn contaminants quickly and completely*
- ▷ *No residues, no rinsing*

### Features

- ▷ *Multipurpose*
- ▷ *Safe on all metals and most plastics and rubber compounds*
- ▷ *Free of chlorinated solvent*
- ▷ *Strong aerosol jet*

# ELECTRONIC CONTACT CLEANING

## CONTACT CLEAN™

Non-flammable electronics and electrical equipment cleaner

Contact Clean™ removes grease, oil, and contaminants from sensitive electronics and electrical equipment to prevent contact failure. Fast-evaporating formula dries residue-free in seconds. Safe to use on most plastics.

**NSF category K2, registration #154540**



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	340 g	12 oz.	53-C 712	L-165	12

### Applications

- ▷ Removing contaminants from electrical parts
- ▷ Instrument and equipment junction cleaning (PLCs, printed circuit boards, vehicle fuse boxes)

### Benefits

- ▷ Fast acting – dissolves stubborn contaminants quickly and completely
- ▷ Fast evaporating
- ▷ No residues, no rinsing

### Features

- ▷ Safely cleans most plastics and rubber compounds
- ▷ Strong aerosol jet
- ▷ Nonconductive
- ▷ VOC compliant (per CARB 310)



# FOOD GRADE LUBRICANTS

## FOOD ZONE™

Food grade general purpose lubricant  
 FOOD ZONE™ is a multipurpose lubricant and penetrating oil developed for food industry manufacturing plants. Extends equipment life by protecting against friction, wear, and corrosion.  
**NSF category H1, registration #148372**

### Applications

- ▷ Lubrication and temporary corrosion protection of food and beverage processing equipment
- ▷ Loosening of rust, scale, grime, and corrosion

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	400 ml	13.5 oz.	53-D 602	L-153	12



### Benefits

- ▷ Lubricates and protects
- ▷ Displaces moisture and water
- ▷ Loosens rusted parts

### Features

- ▷ Fast-penetrating oil leaves a thin protective film
- ▷ Multipurpose

## FOOD ZONE™ V

High viscosity food grade lubricant  
 FOOD ZONE™ V is an industrial-strength lubricant designed for heavy-duty applications and chain lubrication in food-manufacturing facilities. Foamy, non-drying formula adheres to surfaces and reduces friction, wear, and corrosion in heavy-loaded machinery.  
**NSF category H1, registration #148374**

### Applications

- ▷ Lubrication of chains and conveyor systems
- ▷ Lubrication of moving parts in heavy-loaded industrial machinery

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	400 ml	13.5 oz.	53-D 652	L-154	12



### Benefits

- ▷ Easy to apply
- ▷ Maximum adherence
- ▷ Protects against wear and corrosion

### Features

- ▷ Heavy-duty, high-grade formula with PTFE additives
- ▷ Thick, non-drying, water-resistant film
- ▷ Ideal for vertical surfaces

# INDUSTRIAL LUBRICANTS

## OPEN GEAR™

High-load drive lubricant

OPEN GEAR™ is an adherent, long-lasting, high-load gear grease that prevents metal-to-metal contact. Increases efficiency and service life of drives and gears—even in harsh environments.

### Applications

- ▷ *All types of heavy-duty chains, drives, and gears*



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	400 ml	13.5 oz.	53-E 102	L-16	12

### Benefits

- ▷ *Excellent lubrication under tremendous load and in harsh environments*
- ▷ *Won't fly off gears*
- ▷ *Extends machine life*
- ▷ *Minimizes downtime*

## CHAIN GANG™

High load chain lubricant

CHAIN GANG™ is a high-performance synthetic lubricant that lasts longer than traditional lubricants. Effectively penetrates fine pins and bushings to seal out dust, dirt, water, and other contaminants. Provides excellent protection and enhances the life of any machinery that uses chains or wire cables.

### Applications

- ▷ *All types of chain drives, O-ring chains, and wire rope*
- ▷ *Machinery (especially forklifts)*



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	400 ml	13.5 oz.	53-D 102	L-05	12

### Benefits

- ▷ *Reduces costly downtime due to seized chains, pin breakage, and premature wear*
- ▷ *Stays cleaner and lasts longer than hot grease dips*
- ▷ *Requires fewer applications than other lubricants*
- ▷ *Prolongs chain life*



### Features

- ▷ *Contains moly and EP additives for high-load lubrication*
- ▷ *Highly adhesive*
- ▷ *Water- and dirt-resistant*
- ▷ *Resists loads up to 90 000 lbs/in<sup>2</sup>*



### Features

- ▷ *Contains microscopic moly particles for excellent lubricity*
- ▷ *Penetrates fine clearances*
- ▷ *Water-resistant and dust-resistant*
- ▷ *Repels dirt particles*

## HANG-ON™

Adhesive lubricant

HANG-ON™ is a highly adhesive maintenance lubricant that provides effective, long-lasting lubrication under harsh conditions and over extended periods of time.

### Applications

- ▷ Forklift truck chains, locking pins, snowplows, hinges, etc.
- ▷ Differentials in coupling units



All Metals

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	400 ml	13.5 oz.	53-D 812	L-33	12
Liquid	20 L	5.2 gal	53-D 817	L-45	1

### ACCESSORIES

Refillable trigger sprayer bottles

Order no.

53-L 331

## BOLT-OUT™

Penetrating lubricant

BOLT-OUT™ is a heavy-duty, non-chlorinated liquid solution that penetrates and lubricates to efficiently free seized parts while inhibiting further rust. Works well in a wide range of temperatures.

### Applications

- ▷ Loosening seized bolts, nuts, studs, and pins
- ▷ Disassembly of seized bolts, nuts, mechanisms, pins, bushings, etc.



All Metals

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	400 ml	13.5 oz.	53-D 892	L-08	12
Liquid, trigger sprayer	500 ml	16.9 fl.oz.	53-D 893	L-26	12
Liquid	20 L	5.2 gal	53-D 897	L-26	1

### ACCESSORIES

Refillable trigger sprayer bottles

Order no.

53-L 332



### Benefits

- ▷ Outperforms and lasts longer than all-purpose and standard thin-film lubricants
- ▷ Resists exposure to weather, salt water, mild chemicals, high loads, and temperatures up to 200 °C (390 °F)
- ▷ Doesn't drip or stain vertical surfaces
- ▷ Efficient, long-lasting action reduces downtimes and maintenance frequencies

### Features

- ▷ Silicone-free, no chlorinated solvent
- ▷ Adheres extremely well to surfaces
- ▷ Penetrates fine clearances
- ▷ Displaces water and moisture



### Benefits

- ▷ Enables faster, easier disassembly
- ▷ Prevents/protects against further corrosion

### Features

- ▷ Nonflammable, silicone-free, no chlorinated solvents
- ▷ Contains microscopic moly particles for excellent lubricity
- ▷ Displaces moisture
- ▷ Effective from -20 °C to 250 °C (-4 °F to 482 °F)



## COLD SHOCK™

Seized parts are no match for fast penetrating Cold Shock™

Cold Shock™ is a high tech lubricant that frees corroded and seized parts by creating a sudden, shock-freezing effect to -35°C (-31°F). Cold Shock™ penetrates micro-fissures to loosen nuts, bolts, studs, pins and other seized parts in an instant.

### Applications

- ▷ For use on corroded and seized nuts, bolts, studs, pins and other components.

### Benefits

- ▷ Loosens corroded and seized parts through cooling
- ▷ Powerful 1 to 2-minute penetration time

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	400 ml	13.5 oz.	53-D 882	L-98	12



### Features

- ▷ Decreases parts temperatures to -35°C (-31°F)
- ▷ Shock-effect lubricant
- ▷ Straw extension for precise targeting

## ROCK'N ROLL™

Ceramic anti-seize lubricant

ROCK'N ROLL™ is an inert, non toxic, metal-free white lubricant that prevents seizing of assemblies. Provides long-term protection against corrosion. Highly effective in a wide range of temperatures (-30C or -22°F to 1400C or 2500°F) and in extreme conditions.

### Applications

- ▷ Lubrication of all threaded components, bushings, and press fits
- ▷ Lubrication of highly stressed bearings



### Benefits

- ▷ Makes disassembly easy and efficient
- ▷ Provides long-term corrosion protection
- ▷ No galling or seizing
- ▷ Safe for food industry applications

### Features

- ▷ Inert ingredients
- ▷ Non-carbonizing
- ▷ (Paste) highly resistant to water, seawater, benzene, and most acids and alkalis



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	400 ml	13.5 oz.	53-D 852	L-43	12
Paste/Brush	255.15 g	9 oz.	53-D 854	L-44	12

## ALUCUT™

Solid stick aluminum cutting lubricant

Alucut™ is a high-performance lubricant that extends cutting tool life. Specially formulated for use with aluminum and other non-ferrous metals.

### Applications

- ▷ Cutting with circular chopsaws
- ▷ Drilling

### Benefits

- ▷ Reduces scoring and chatter marks
- ▷ Improves finish
- ▷ Increases productivity
- ▷ Minimizes waste



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Solid stick	300 g	10.5 oz.	53-B 303	L-04	12

## STAINLESSCUT™

Stainless steel cutting lubricant

STAINLESSCUT™ is a heavy-duty cutting lubricant designed for tough metal cutting operations. Formulated for stainless steel, alloys, and ferrous alloys.

### Applications

- ▷ Machining operations
- ▷ Drilling

### Benefits

- ▷ Washes off completely with water
- ▷ Easy clean-up
- ▷ Improves finish to prolong tool life



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	312 g	11 oz.	53-B 202	L-53	12
Liquid/Squeeze bottle	350 ml	11.8 fl.oz.	53-B 203	L-114	12
Liquid	3.78 L	1 gal	53-B 205	L-114	1



### Features

- ▷ Clean, precise, stain-free application
- ▷ Coats cutting edge or workpiece
- ▷ Ideal for inclined, vertical, and overhead surfaces



### Features

- ▷ Contains extreme pressure additives (EP)
- ▷ Solvent-free, sulfur-free, and chlorine-free
- ▷ High lubricity and cooling properties
- ▷ Non hazardous

## ICECUT™

Ready-to-use coolant/lubricant

ICECUT™ is a ready-to-use coolant/lubricant specially formulated for use with magnetic drilling units to reduce tool wear and improve production rates.

### Applications

- ▷ *Drilling with annular cutters, carbide core cutters, and drill bits*



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Liquid	3.78 L	1 gal	53-C 055	L-122	1
Liquid	20 L	5.2 gal	53-C 057	L-122	1

### ACCESSORIES

Spout for 20 L square plastic pail

**Order no.**  
53-L 207

## TAPCUT™

Thread cutting lubricant

TAPCUT™ lubricant is specially formulated for thread cutting with taps and dies.

### Applications

- ▷ *Hand tapping*
- ▷ *Machine tapping*



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Liquid/Squeeze bottle	350 ml	11.8 fl.oz.	53-A 103	L-115	12
Liquid	3.78 L	1 gal	53-A 105	L-115	1
Liquid	20 L	5.2 gal	53-A 107	L-115	1

### ACCESSORIES

Spout for 20 L square plastic pail

**Order no.**  
53-L 207



### Benefits

- ▷ *Reduces friction and heat*
- ▷ *Extends cutting tool life*
- ▷ *Increases productivity*
- ▷ *Improves finish*

### Features

- ▷ *Nitrate-free, amine-free, boron-free, phenol-free and active sulfur-free*



### Benefits

- ▷ *Taps and dies cut faster and last longer*
- ▷ *Cleans up easily with water*

### Features

- ▷ *Special antiwear additives for thread cutting*
- ▷ *Produces clean, accurate threads*
- ▷ *Non hazardous*

# CORROSION PROTECTION

## ZINC 100™

Bright galvanizing spray

ZINC 100™ is a bright, long-lasting corrosion protection spray specially formulated for the touch-up and repair of hot galvanized parts.

### Applications

- ▷ Food processing equipment
- ▷ Water and storage tanks

### Benefits

- ▷ Effective, long-lasting corrosion protection
- ▷ Resists chemical and water attack
- ▷ Can be painted over



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	400 ml	11.5 oz.	53-H 102	L-54	12



### Features

- ▷ Zinc flakes permanently bond to metallic surfaces
- ▷ Bright metallic finish matches hot dipped look
- ▷ Fast drying
- ▷ Zinc-rich formula meets ASTM A780 standard

## ZINC 200™

Cold galvanizing spray

ZINC 200™ is a high-performance, fast-drying corrosion protection spray specially formulated for ferrous metals. Provides the ultimate protection—even when surfaces get scratched.

### Applications

- ▷ Marine equipment
- ▷ Weather-exposed parts

### Benefits

- ▷ Longest lasting corrosion protection in the marketplace
- ▷ Extremely effective when used as a primer
- ▷ Withstands harsh environmental conditions



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	400 ml	11.5 oz.	53-H 152	L-95	12



### Features

- ▷ Actively fights rust & corrosion
- ▷ Dual-action protection (resin coat and galvanic action)
- ▷ Meets ASTM A780
- ▷ Dull finish, dries to touch in 3-5 min.

## SHIELD PRO™

Heavy-duty industrial corrosion protection

SHIELD PRO™ is an adherent, non-drying solution that coats metal parts to protect against corrosion. Ideal for indoor and outdoor storage.

### Applications

- ▷ Corrosion protection of outdoor equipment and tools, overseas storage and shipments, cables, chains, pulleys, pump and hose assemblies, and more
- ▷ Suitable for all types of maintenance and repair applications

### Benefits

- ▷ Long-term indoor and outdoor corrosion protection
- ▷ Withstands harsh conditions

### Features

- ▷ Non-drying film
- ▷ Penetrates and displace moistures
- ▷ Salt water resistant



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Liquid	3.78 L	1 gal	53-H 255	L-170	1
Liquid	20 L	5.2 gal	53-H 257	L-170	1
Liquid	200 L	52.8 gal	53-H 258	L-170	1

### ACCESSORIES

Order no.
Spout for 20 L round metal pail and 200 L metal drum 3/4" NPT
53-L 208

# CUTTING FLUIDS

## COOLCUT™

Metal cutting lubricant

Coolcut™ is a ready-to-use, high-performance metal cutting lubricant that stands up to pressure and heat to reduce tool wear and prevent tool breakage.

### Applications

- ▷ *Machining operations*
- ▷ *Drilling*



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	312 g	11 oz.	53-B 002	L-01	12
Solid stick	300 g	300 g	53-B 013	L-22	
Liquid/Squeeze bottle	350 ml	11.8 fl.oz.	53-B 003	L-09	12
Sprayer	500 ml	16.9 oz.	53-B 004	L-09	12
Liquid	3.78 L	1 gal	53-B 005	L-09	1
Liquid	20 L	5.2 gal	53-B 007	L-09	1
Liquid	208 L	55 gal	53-B 008	L-09	1

### ACCESSORIES

Spout for 20 L square plastic pail	Order no.	53-L 207
Spout for 208 L plastic drum 2" NPT		53-L 209
Spout for 208 L plastic drum 3/4" NPT		53-L 210



### Benefits

- ▷ *Reduces friction and heat*
- ▷ *Extends cutting tool life*
- ▷ *Improves finish*
- ▷ *Increases productivity*

### Features

- ▷ *Contains extreme pressure additives (EP)*
- ▷ *Suitable for all ferrous and non-ferrous metals*
- ▷ *Non hazardous, biodegradable*
- ▷ *Free of solvents and chlorinated ingredients*





# COOLCUT™ METALWORKING FLUIDS

*Innovative solutions  
for metalworking and  
machining operations*

## BETTER PERFORMANCE AND PRODUCTIVITY

Walter Surface Technologies COOLCUT™ cutting fluids can be used for almost any metalworking process. All of our products, from machine tool lubricants to water miscible coolants, special additives and corrosion protection solutions, are designed to work together, minimizing interface problems and achieving the highest process efficiency.

- Water miscible coolants and neat cutting oils for machining with defined and non-defined cutting edges
- Spray mist lubricants for minimum quantity applications
- Forming lubricants with a variety of different formulations for sheet metal, tube and massive forming

### LIQUIDS AVAILABLE SIZES

Some products are available in 208 L (55 gal.) drums



## WATER MISCIBLE COOLANTS

Water miscible coolants for metalworking must meet a wide range of technical requirements to achieve best possible machining results and smooth operation. All Walter COOLCUT™ lubricants meet or exceed requirements to ensure:

### Features

- Cutting performance for long tool life and optimal workpiece finish
- Corrosion protection for machine parts and workpieces
- Compatibility with sensitive materials for components without staining
- Stability and flushing action for clean machines and parts
- Low foaming even with high cooling lubricant pressure

## COOLCUT™ 150



Very finely dispersed semisynthetic lubricant for circular and flat grinding and for light machining

COOLCUT™ 150 is a water miscible coolant for light to medium duty machining without high lubricity demands. It is most suited for steels and cast iron.



### Features

- ▷ Semisynthetic
- ▷ Free of secondary amines
- ▷ Formaldehyde-free

### Benefits

- ▷ Applicable for a wide range of water hardness

Name	Product Number	Size
COOLCUT™ 150	58-A 157	20 L
COOLCUT™ 150	58-A 158	200 L
COOLCUT™ 150	58-A 159	1000 L

### Processes

- Turning
- Milling
- Drilling
- Threading tapping
- Surface and cylindrical grinding

### Materials

- Steels
- Cast iron
- Yellow metals

### Suitable for water hardness [PPM]:

0-30	40-100	110-180	190-360	370-720	730-1080
	•	•	•	•	•

• Preferred • Qualified



## COOLCUT™ 250

Very finely dispersed semisynthetic for grinding and for light- to medium-duty machining



COOLCUT™ 250 is a water miscible coolant for metal cutting processes on individual machine tools as well as centralized systems. Superior washing action ensures safe chip removal, perfect cooling, and clean working spaces. When it comes down to price, COOLCUT™ 250 offers an exceptional value.

### Features

- ▷ Formaldehyde-free
- ▷ Semisynthetic
- ▷ Free of secondary amines

### Benefits

- ▷ Good grinding performance
- ▷ Ideal price-to-performance ratio

Name	Product Number	Size
COOLCUT™ 250	<b>58-A 257</b>	<b>20 L</b>
COOLCUT™ 250	<b>58-A 258</b>	<b>200 L</b>
COOLCUT™ 250	<b>58-A 259</b>	<b>1000 L</b>

### Suitable for water hardness [PPM]:

0-30	40-100	110-180	190-360	370-720	730-1080
		●	●	●	●

● Preferred   ● Qualified

### Processes

- Turning
- Milling
- Drilling
- Threading tapping
- Surface and cylindrical grinding
- Centerless grinding

### Materials

- Cast iron
- Steels
- Aluminum
- Yellow metals

## COOLCUT™ 200 BF

Boron-free coolant for grinding and cutting operations



COOLCUT™ 200 BF is a very safe coolant that offers a great price to performance ratio. It's good washing action ensures a clean working area. This coolant is especially suitable for grinding processes as well as all medium-cutting operations like drilling and milling.

### Features

- ▷ Semisynthetic
- ▷ Boron-, Bactericide-, and Monoethanolamine (MEA)-free

### Benefits

- ▷ Very finely dispersed emulsion
- ▷ Excellent grinding performance
- ▷ Perfect price-to-performance ratio

Name	Product Number	Size
COOLCUT™ 200 BF	<b>58-A 295</b>	<b>3.78 L</b>
COOLCUT™ 200 BF	<b>58-A 297</b>	<b>20 L</b>
COOLCUT™ 200 BF	<b>58-A 298</b>	<b>200 L</b>
COOLCUT™ 200 BF	<b>58-A 299</b>	<b>1000 L</b>

### Suitable for water hardness [PPM]:

0-30	40-100	110-180	190-360	370-720	730-1080
	●	●	●	●	●

● Preferred   ● Qualified

### Processes

- Turning
- Milling
- Drilling
- Threading tapping
- Surface and cylindrical grinding
- Centerless grinding
- Profile grinding

### Materials

- Steels
- Cast iron
- Stainless steel
- Aluminum
- Yellow metals

## COOLCUT™ 400 U



Universal semisynthetic cooling lubricant, used for medium-duty machining and for grinding. Best solution for aluminum

COOLCUT™ 400 U is universally applicable for use in medium-severe cutting and grinding processes. It is suitable when processing mixed materials (cast iron, steels, yellow metals and aluminum). Its superior washing action ensures a clean working area.

### Features

- ▷ Bactericide-free
- ▷ Semisynthetic

### Benefits

- ▷ Very versatile

Name	Product Number	Size
COOLCUT™ 400U	<b>58-A 507</b>	<b>20 L</b>
COOLCUT™ 400U	<b>58-A 508</b>	<b>200 L</b>
COOLCUT™ 400U	<b>58-A 509</b>	<b>1000 L</b>

### Suitable for water hardness [PPM]:

0-30	40-100	110-180	190-360	370-720	730-1080
	●	●	●	●	●

● Preferred   ● Qualified



### Processes

- Turning
- Milling
- Drilling
- Threading tapping
- Surface and cylindrical grinding
- Centerless grinding
- Profile grinding

### Materials

- Steels
- Cast iron
- Stainless steel
- Aluminum
- Yellow metals

## COOLCUT™ 500 BF



Boron-free lubricant for severe machining processes

COOLCUT™ 500 BF offers excellent performance in extreme pressure conditions. Its special technology allows to work under severe conditions without costly extreme pressure (EP) additives. It is particularly suited for processes on high tensile materials like stainless steels and titanium grades.

### Features

- ▷ Boron and bactericides-free

### Benefits

- ▷ Extraordinary cutting performance for optimal tool life and surfaces
- ▷ Compatible with a variety of materials, particularly sensitive aluminum alloys
- ▷ Low foaming

Name	Product Number	Size
COOLCUT™ 500BF	<b>58-A 597</b>	<b>20 L</b>
COOLCUT™ 500BF	<b>58-A 598</b>	<b>200 L</b>
COOLCUT™ 500BF	<b>58-A 599</b>	<b>1000 L</b>

### Suitable for water hardness [PPM]:

0-30	40-100	110-180	190-360	370-720	730-1080
	●	●	●	●	●

● Preferred   ● Qualified



### Processes

- Turning
- Milling
- Drilling
- Deep drilling
- Threading tapping
- Broaching
- Surface and cylindrical grinding
- Centerless grinding

### Materials

- Steels
- Cast iron
- Stainless steel
- Aluminum
- Yellow metals

## COOLCUT S-30™

Premium water miscible cutting lubricant

COOLCUT S-30™ is a ready-to-use, high-performance metal cutting lubricant specially designed for automatic and semiautomatic metal removing operations. For general machining.

### Features

- ▷ Contains non-chlorinated EP additives
- ▷ Bactericides-free
- ▷ High oil content

### Benefits

- ▷ Extraordinary cutting performance for optimal tool life and surfaces

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Liquid	3.78 L	1 gal	53-C 005	L-119	1
Liquid	20 L	5.2 gal	53-C 007	L-119	1
Liquid	208 L	55 gal	53-C 008	L-119	1

### Suitable for water hardness [PPM]:

0-30	40-100	110-180	190-360	370-720	730-1080
	●	●	●	●	●

● Preferred ● Qualified



### Processes

- Turning
- Milling
- Drilling
- Deep drilling
- Threading tapping
- Broaching
- Surface and cylindrical grinding
- Centerless grinding
- Profile grinding
- Gear hobbing

### Materials

- Steels
- Stainless steel
- Aluminum
- Yellow metals
- Titanium

## COOLCUT™ S-50

Water-miscible cutting lubricant for high-pressure applications

COOLCUT™ S-50 is a high-performance metal cutting lubricant specially designed for automatic and semi-automatic metal removing operations, even in severe machining processes and high-pressure conditions. Ideal for hard-to-machine materials.

### Features

- ▷ Formulated with extended corrosion protection
- ▷ Free of bactericides
- ▷ Contains non-chlorinated EP additives

### Benefits

- ▷ Extends cutting tool life
- ▷ Works with pressures up to 1,100 psi

Name	Product Number	Size
COOLCUT™ S-50	<b>53-C 025</b>	<b>3.78 L</b>
COOLCUT™ S-50	<b>53-C 027</b>	<b>20 L</b>
COOLCUT™ S-50	<b>53-C 028</b>	<b>200 L</b>
COOLCUT™ S-50	<b>53-C 029</b>	<b>1000 L</b>

### Suitable for water hardness [PPM]:

0-30	40-100	110-180	190-360	370-720	730-1080
●	●	●	●	●	●

● Preferred ● Qualified



### Processes

- Turning
- Milling
- Drilling
- Deep drilling
- Broaching
- Surface and cylindrical grinding
- Profile grinding
- Gear hobbing

### Materials

- Steels
- Stainless steel
- Aluminum
- Titanium
- Hard metals

## COOLCUT™ SYN 400 BF



Water-soluble cooling lubricant for grinding and machining of steel and aluminum with high lubrication requirements

COOLCUT™ SYN 400 BF is the most technologically advanced coolant on the market. This coolant is designed for severe grinding and cutting operations with high lubricity demand. It is most suitable for aluminum alloys of all kinds including sensitive aerospace alloys. It is also suitable for steels, stainless steels, titanium, yellow metals and other materials suitable for work with ferrous materials and glass.

### Features

- ▷ Mineral oil-free, fully synthetic
- ▷ Free of formaldehyde, boron and secondary amines

### Benefits

- ▷ Slightly hazy, colorless solution
- ▷ High lubricity for severe operations
- ▷ 30% longer sump life vs most coolants

Name	Product Number	Size
COOLCUT™ SYN 400 BF	<b>58-A 407</b>	<b>20 L</b>
COOLCUT™ SYN 400 BF	<b>58-A 408</b>	<b>200 L</b>

### Suitable for water hardness [PPM]:

0-30	40-100	110-180	190-360	370-720	730-1080
●					

● Preferred   ● Qualified



### Processes

- Turning
- Milling
- Drilling
- Deep drilling
- Threading tapping
- Broaching
- Surface and cylindrical grinding
- Centerless grinding
- Profile grinding

### Materials

- Steels
- Stainless steel
- Aluminum
- Yellow metals
- Titanium
- Glass ceramics

## COOLCUT™ SYN GRIND



Water-soluble cooling lubricant for circular and flat grinding of ferrous metals

COOLCUT™ SYN GRIND is specially designed for grinding operations. It is most suitable for work with ferrous materials and glass.

### Features

- ▷ Fully synthetic
- ▷ Free from secondary amines
- ▷ Long coolant life, even in poor conditions

### Benefits

- ▷ Colorless solution
- ▷ Excellent grinding performance
- ▷ Ideal price-to-performance ratio

Name	Product Number	Size
COOLCUT™ SYN GRIND	<b>58-A 707</b>	<b>20 L</b>
COOLCUT™ SYN GRIND	<b>58-A 708</b>	<b>200 L</b>

### Suitable for water hardness [PPM]:

0-30	40-100	110-180	190-360	370-720	730-1080
	●	●	●	●	

● Preferred   ● Qualified



### Processes

- Surface and cylindrical grinding

### Materials

- Steels
- Cast iron
- Stainless steel
- Aluminum
- Titanium
- Glass ceramics

# COOLCUT™ SYN SSK-H7



High performance, fully synthetic water miscible coolant for carbide grinding

COOLCUT™ SYN SSK-H7 is designed for grinding operations, and performs exceptionally well for grinding carbide. The high content of cobalt inhibitors prevent cobalt leaching and the “blue-ing” of the coolant.

## Features

- ▷ Fully synthetic
- ▷ Boron and amine free
- ▷ Loaded with cobalt inhibitors to prevent leaching

## Benefits

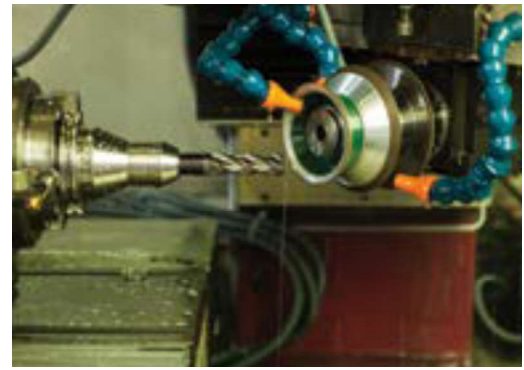
- ▷ Clear grinding solution
- ▷ Exceptional grinding performance
- ▷ No sticky residues
- ▷ No accumulation of cobalt when grinding carbide

Name	Product Number	Size
COOLCUT™ SYN SSK-H7	<b>58-A 757</b>	20 L
COOLCUT™ SYN SSK-H7	<b>58-A 758</b>	200 L

## Suitable for water hardness [PPM]:

0-30	40-100	110-180	190-360	370-720	730-1080
●	●	●	●	●	●

● Preferred ● Qualified



## Processes

- Surface and cylindrical grinding

## Materials

- Steels
- Stainless steel
- Aluminum
- Yellow metals
- Carbide



## NEAT CUTTING OILS

When your application demands higher lubricating action than cooling capacity, non-water miscible, neat cutting oils are effective alternatives to water-mixed lubricants. For any specific application, achieving optimal performance with these cutting oils depends on their viscosity as well as the content and effectiveness of their active additives.

The Walter COOLCUT™ NEO product range covers the entire bandwidth of viscosities, starting with low viscosity finish oils at approximately 3 mm<sup>2</sup>/s (40 °C/104 °F) to higher viscosity oils up to approximately 100 mm<sup>2</sup>/s (40 °C/104 °F) for the most difficult broaching operations. Using high-quality base oils and modern additive technologies, Walter's COOLCUT™ solutions are optimal for modern machining processes.

### Features

- High cutting action for long tool life and good surfaces
- Low evaporation base oils reduce the risk of oil mist and fire hazards
- Will not irritate skin

## COOLCUT™

Metal cutting lubricant

COOLCUT™ is a ready-to-use, high-performance metal cutting lubricant that stands up to pressure and heat to reduce tool wear and prevent tool breakage.

### Features

- ▷ Contains extreme pressure EP additives
- ▷ Suitable for all ferrous and non-ferrous metals
- ▷ Non hazardous, biodegradable
- ▷ Free of solvents and chlorinated ingredients
- ▷ Viscosity= 42 mm<sup>2</sup>/s (40° C / 104° F)

### Benefits

- ▷ Reduces friction and heat
- ▷ Extends cutting tool life
- ▷ Improves finish
- ▷ Increases productivity



Name	Product Number	Size
COOLCUT™	53-B 005	3.78 L
COOLCUT™	53-B 007	20 L
COOLCUT™	53-B 008	208 L

### Processes

- Machining operations
- Drilling
- MQL systems

### Materials

- Steels
- Stainless steel
- Aluminum
- Yellow metals

## COOLCUT™ NEO AP

Cutting oil for machining with defined cutting edges



The COOLCUT™ NEO AP is a multifunction oil for medium-duty machining and cutting machine lubrication. COOLCUT™ NEO AP's chlorine free, chemically active, extreme pressure additives prevent buildup along the cutting edge, even on the most difficult materials such as stainless steel, nickel, and titanium alloys. These oils are suitable for severe cutting processes. They perform best with steels, stainless steels and aluminum. They may also be used in machining of copper alloys if workpieces are cleaned.

### Features

- ▷ Formulated with low-emission base oils plus effective extreme-pressure additives
- ▷ Adequate viscosity per process requirements
- ▷ Low-emission base oils
- ▷ Zinc-free, chlorine-free

### Benefits

- ▷ Optimal price-to-performance ratio
- ▷ Good cutting performance, long tool life
- ▷ Low fog and evaporation loss
- ▷ Low drag out
- ▷ Easy removal with aqueous or hydrocarbon cleaners

Name	Product Number	Size
COOLCUT™ NEO AP	<b>58-B 305</b>	<b>3.78 L</b>
COOLCUT™ NEO AP	<b>58-B 307</b>	<b>20 L</b>
COOLCUT™ NEO AP	<b>58-B 308</b>	<b>200 L</b>

### Processes

- Turning
- Milling
- Gear hobbing
- Drilling
- Deep drilling
- Threading tapping
- Broaching

### Materials

- Steels
- Cast iron
- Stainless steel
- Aluminum
- Yellow metals

## COOLCUT™ NEO 3724 N

High performance cutting oil with EP-additives for severe cutting operations



COOLCUT™ NEO 3724 N is a very high-performance cutting oil made from low emission base oils and effective EP-additives for severe cutting operations. Universally applicable for turning, milling, broaching, deep drilling, threading and more, this fluid is designed for use specifically on high tensile materials like high alloyed steels, Nickel- and Titanium-alloyed steels and stainless steels.

### Features

- ▷ Chlorine-free and Zinc-free
- ▷ Low emission base oils
- ▷ Built with EP-additives
- ▷ Kinematic viscosity= 16 mm<sup>2</sup>/s (40° C)

### Benefits

- ▷ Highest performance for severe cutting applications
- ▷ Designed specially for stainless steel and high tensile alloys
- ▷ Low drag out, low fog, and low evaporation loss
- ▷ Easy to remove with aqueous or hydrocarbon cleaners

### ORDERING INFORMATION

Name	Product Number	Size
COOLCUT™ NEO 3724 N	<b>58-B 377</b>	<b>20 L</b>
COOLCUT™ NEO 3724 N	<b>58-B 378</b>	<b>200 L</b>

### Processes

- Turning
- Milling
- Drilling
- Deep drilling
- Threading tapping
- Broaching, slotting

### Materials

- Steels
- Cast iron
- Stainless steel
- Titanium

# COOLCUT™ SYN NEO HP

Grinding and honing oil



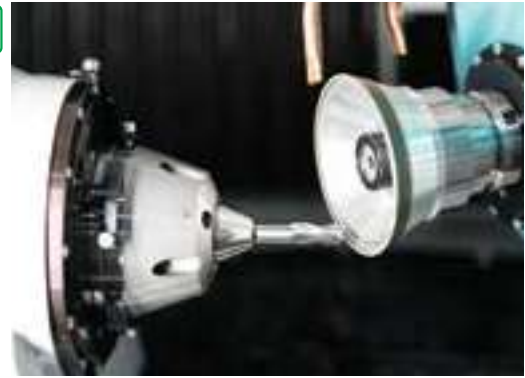
The COOLCUT™ SYN NEO HP is a polyalphaolefin-based high-performance grinding oil. It is primarily for carbide tool grinding. These specially formulated grinding and honing oils allow maximum machining volumes without burning and perform precisely with exceptional grinding results.

### Features

- ▷ Based on polyalphaolefins (PAO)
- ▷ Effective wetting agents
- ▷ Zinc-free, chlorine-free
- ▷ Kinematic viscosity= 6 mm<sup>2</sup>/s (40° C)

### Benefits

- ▷ Optimal air separation for reliable cooling and maintaining the free wheel's porosity
- ▷ High grinding performance
- ▷ Minimal evaporation loss
- ▷ Extremely low drag out



### Processes

- Turning
- Milling
- Centerless grinding
- Profile grinding

### Materials

- Steels
- Stainless steel
- Yellow metals
- Titanium
- Carbide

Name	Product Number	Size
COOLCUT™ SYN NEO HP	<b>58-B 507</b>	<b>20 L</b>
COOLCUT™ SYN NEO HP	<b>58-B 508</b>	<b>200 L</b>

## MAINTENANCE

# COOLCUT™ PROTEC

High-performance slideway oil



COOLCUT™ PROTEC is a high-performance slideway oil with a special mineral oil base. Effective additives safely avoid stick-slip and ensure optimal prevention of oxidation, corrosion, and wear. This multipurpose oil can be used to lubricate slideways of all kinds under high load (e.g., machine tools, forming presses) and it is also suitable for hydraulic and general machine lubrication.

### Features

- ▷ Ash-free
- ▷ Reduced draining off vertical surfaces
- ▷ Minimal friction
- ▷ Compatible with all COOLCUT coolants
- ▷ Kinematic viscosity= 68 mm<sup>2</sup>/s (40° C)

### Benefits

- ▷ Exact and safe positioning of tool and workpiece even under the highest loads, thanks to safe avoiding of stick-slip
- ▷ Minimization of friction saves energy and smooths movement
- ▷ Effective prevention of corrosion and wear
- ▷ Good compatibility with coolants



Name	Product Number	Size
COOLCUT™ PROTEC	<b>58-C 007</b>	<b>20 L</b>
COOLCUT™ PROTEC	<b>58-C 008</b>	<b>200 L</b>



## ACCESSORIES

### COOLCUT™ CUTTING FLUIDS PROPORTIONING SYSTEM

Mixing device for water miscible coolants

**Product Number: 53-L 165**

The Walter COOLCUT™ proportioning system for water miscible coolants is an easy way to dilute concentrated coolant with water, to achieve the desired usage concentration. It attaches easily to Walter drums, and its simple dial guides the flow of concentrate into the solution. By attaching the water hose to your water supply, combined with the Venturi effect, out of the dispensing hose comes the diluted emulsion.

**NOTE:** It is recommended to always confirm the final concentration with a refractometer.



### SB 30 SYSTEM BOOSTER

Preventive treatment for reduced downtime

Keep your coolant systems in peak working order with this bactericide for metalworking fluids.

Name	Product Number	Size
SB 30 SYSTEM BOOSTER	53-C 011	950 ml

#### Applications

- ▷ Maintaining biocide action
- ▷ Maintaining efficiency and cleanliness

#### Features and benefits

- ▷ Eliminates bacteria, fungus and yeast
- ▷ Excellent corrosion protection
- ▷ Helps to maintain pH levels
- ▷ Reduces downtime and disposal costs

### COOLCUT™ SYSTEM CLEANER

System cleaner and decontaminator for CNC machine tools

The COOLCUT™ System Cleaner is the ideal product to add to your CNC machine tank before completing fluid changeovers and flushes. Biocidal agents help kill bacteria and fungus that might be growing in the machine or fluid reservoirs. Helps ensure your machine is totally clean and decontaminated before adding fresh coolant. Active ingredients help kill odour causing bacteria and ensure a clean machine before next replenishment. Add CoolCut™ System Cleaner to your machine's coolant tank 12-24 hours before draining, then operate normally.

Name	Product Number	Size
COOLCUT SYSTEM CLEANER	58-C 101	950 ml
COOLCUT SYSTEM CLEANER	58-C 105	3.78 L
COOLCUT SYSTEM CLEANER	58-C 107	20 L



#### Features

- ▷ Ideal for cleaning machine tools
- ▷ Use before fluid changeovers and machine tank flushes
- ▷ Use at 3% volume of entire fluid tank
- ▷ Mechanical cleaning is encouraged as well

# COOLCUT™ FLUIDS AT A GLANCE

## Processes

Name	Turning	Milling	Gear hobbing	Drilling	Deep drilling	Threading tapping	Broaching	Surface and cylindrical grinding	Centerless grinding	Profile grinding
COOLCUT™ 150	●	●		●		●		●		
COOLCUT™ 250	●	●		●		●		●	●	
COOLCUT™ 200BF	●	●		●		●		●	●	●
COOLCUT™ 400U	●	●		●		●		●	●	●
COOLCUT™ 500BF	●	●		●	●	●	●	●	●	
COOLCUT™ S-30	●	●	●	●	●	●	●	●	●	●
COOLCUT™ S-50	●	●		●	●		●	●		●
COOLCUT™ SYN 400 BF	●	●		●	●	●	●	●	●	●
COOLCUT™ SYN GRIND								●		
COOLCUT™ SYN SSK-H7								●		
COOLCUT™				●	●	●	●			
COOLCUT™ NEO AP	●	●	●	●	●	●	●			
COOLCUT™ NEO 3724 N	●	●		●	●	●	●			
COOLCUT™ SYN NEO HP	●	●							●	●

## Materials

Name	Steels	Cast iron	Stainless steel	Aluminum	Yellow metals	Titanium	Carbide	Glass ceramics
COOLCUT™ 150	●	●			●			
COOLCUT™ 250	●	●		●	●			
COOLCUT™ 200BF	●	●	●	●	●			
COOLCUT™ 400U	●	●	●	●	●			
COOLCUT™ 500BF	●	●	●		●			
COOLCUT™ S-30	●		●	●	●	●		
COOLCUT™ S-50	●		●	●		●	●	
COOLCUT™ SYN 400 BF	●		●	●	●	●		●
COOLCUT™ SYN GRIND	●	●	●	●	●	●		●
COOLCUT™ SYN SSK-H7	●		●	●	●		●	
COOLCUT™	●		●	●	●			
COOLCUT™ NEO AP	●	●	●	●	●			
COOLCUT™ NEO 3724 N	●	●	●			●		
COOLCUT™ SYN NEO HP	●		●		●	●	●	

