

Innovative Solutions for the Metalworking Industry



Industries, Inc.

2023

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SERVICES

2V Industries, Inc. commitment in serving the environment and maintaining a positive impact is only seconded by our commitment in providing the same care and dedication to our clients in an array of industries that include Aerospace, Marine, Industrial, Automotive, Agriculture and Transportation.

2V Industries, Inc. provides a unique, quality driven method of services to our clients that are proven to be sustainable.

CHEMICAL MANAGEMENT

Our unique approach focuses on the total life cycle of our customers' chemicals, cradle to grave. It also takes into account and improves upon how the chemicals effect the equipment, the employees, the quality of the products they are manufacturing, and the environment. Because we are process driven, all these accomplishments are sustainable. Our services can be used in any industry that is looking for better utilization of the chemicals they purchase. We focus on decreasing chemical usage and optimizing your overall process. Process not product driven, manage total life cycle, optimize process decrease chemical usage.

Send inquiries to: info@2vindustries.com

CONTRACT BLENDING

2v Industries, Inc. provides custom and contract blending services to a wide variety of customers. Depending on your needs, our experienced technical staff will cost effectively modify an existing product, or will design an entirely new product with an entirely new application (Custom Blending). In some cases, customers already have a formula and are seeking a quality manufacturing facility to manufacture the product exactly to their specifications and with total confidentiality. This Contract Blending capability is another of 2V's chemical's areas of specialization. 2V's chemical blends water, oil, or solvent-based liquids with a wide range of viscosities. Our quality control laboratory for relevant physical, chemical, or functional properties. We constantly monitor the filling, sealing, and labeling processes in order to insure the integrity and final appearance of your product. For inquiries to: info@2vindustries.com



ULTRAKOL 723NCB

- Semi-synthetic fluid designed for all ferrous materials as well as non-ferrous materials.
- Light to medium-duty applications.
- Economical for use in light volume operations.

2V Item #	Unit of Measure
FIN3V2005-005B	Pail
FIN3V2005-055B	Drum
FIN3V2005-275B	T275
ULTRAKOL 713NC Discontinued	
FIN2V2027-001	1 Gal.
FIN2V2027-005	Pail
FIN2V2027-055	Drum

ULTRAKOL 8000NCB

- Universal metalworking all applications, cast iron, steel, aluminum and exotics.
- Designed with aerospace requirements.
- Heavy-duty semi-synthetic fluid designed for all alloys.
- Can be used on ferrous and non-ferrous materials.
- Wide range of use.
- Concentration to meet a wide variety of applications.

2V Item #	Unit of Measure
FIN3V2002-001B	1 Gal. 4/CS
FIN3V2002-005B	Pail
FIN3V2002-055B	Drum
FIN3V2002-275B	T275

ULTRAKOL 206NCB

- Heavy-duty fluid for use on all materials.
- Aerospace compliant.
- Universal technologies , extremely high oil semi-synthetic fluid.
- Low foam characteristics enable use on moderate high pressure applications.

2V Item #	Unit of Measure
FIN3V2008-005B	Pail
FIN3V2008-055B	Drum
FIN3V2008-275B	T275

ULTRAKOL 883VG

- Designed using renewable resources.
- Semi-synthetic fluid designed using synthesized oils providing advanced machinability on ferrous and non-ferrous alloys.
- Machining inconel, stainless , titanium, steel.
- Non-petroleum based.



2V Item #	Unit of Measure
FIN2V2025-005	Pail
FIN2V2025-055	Drum
FIN2V2025-275	T275

ULTRAKOL LF

- Very low foam, high oil semi-synthetic designed for multi-purpose in high pressure and extreme soft water conditions.
- Heavy-duty fluid for use on all materials.
- Aerospace compliant. Universal technologies, extremely high oil semi-synthetic fluid.

2V Item #	Unit of Measure
FIN3V2028-005	Pail
FIN3V2028-055	Drum
FIN3V2028-275	T275

Our philosophy is to create a "dynamic" change at the tool/work-piece interface allowing the end user to receive value through increased tool life, a improved part quality, reduced environmental impact, and improved employee health and safety.

SYNTHETIC

ULTRACUT 1020

- Economical general purpose full synthetic machining and grinding fluid designed for light to medium-duty applications.

2V Item #	Unit of Measure
FIN3V3003-005	Pail
FIN3V3003-055	Drum
FIN3V3003-275	T275

ULTRACUT 1010

- Low residue, clean to use.
- Grinding and medium machining /low foam.
- Medium to heavy-duty synthetic machining and grinding fluid designed for use on ferrous and non-ferrous materials.

2V Item #	Unit of Measure
FIN3V3002-005	Pail
FIN3V3002-055	Drum
FIN3V3002-275	T275

ULTRACUT CG-4000

- Full synthetic designed for use in carbide grinding applications as well as most medium-duty applications on ferrous materials.

2V Item #	Unit of Measure
FIN2V3003-005	Pail
FIN2V3003-055	Drum
FIN2V3003-275	T275

ULTRACUT 1015B

- Single point treading / turning pipe for G&O medium cost synthetic with additional extreme pressure lubricants.
- General purpose synthetic metalworking fluid designed for use on both ferrous and non-ferrous materials.
- Light to medium-duty applications on most alloys.
- Good tramp oil rejection.
- Enhanced corrosion inhibition.

2V Item #	Unit of Measure
FIN3V3005-005B	Pail
FIN3V3005-055B	Drum
FIN3V3005-275B	T275

ULTRAMAX 9000

- High-end synthetic.
- Oil rejecting.
- Heavy-duty synthetic designed for aggressive applications without the tacky build up of traditional synthetics.
- Clean to use.

2V Item #	Unit of Measure
FIN2V3000-005	Pail
FIN2V3000-055	Drum
FIN2V3000-275	T275



ULTRAKOL 8000NC

- Universal metalworking fluid for all aerospace applications
- Bombardier, Viking Air, AirBus, DeHavilland

2V Item #	Unit of Measure
FIN3V2002-005	Pail
FIN3V2002-055	Drum
FIN3V2002-275-275	T275

414 Maxcool Ultra

- Boeing Approved
- High oil semi-synthetic fluid.
- Used for medium to heavy-duty applications in low and high pressure systems.

2V Item #	Unit of Measure
FIN2V2008-005U	Pail
FIN3V2002-055U	Drum
FIN3V2002-275U	T275

LET



Industries, Inc.

BE YOUR LAB!

- Conventional Testing Services
- pH
- Alkalinity
- Refractive Index
- Total Oil percentage
- Corrosion Testing
- TDS - (Total Dissolved Solids)
- Biological Testing 24 hour turnaround
- Fungus Testing 48 hours turnaround



Lab Services only available for Authorized 2V distributor Partners.

KLEARHONE 125LV

- Universal straight oil for grinding, milling, shaping and honing small to medium size diameter holes.
- Can be used for gun drilling.

2V Item #	Unit of Measure
FIN2V5024-005	Pail
FIN2V5024-055	Drum
FIN2V5024-275	T275

KLEARCUT 150

- A tri-purpose cutting oil designed to meet the needs of lubricating gears set on open gear processes - screw machines.

2V Item #	Unit of Measure
FIN3V1003-005	Pail
FIN3V1003-055	Drum
FIN3V1003-275	T275

KLEARHONE 245A

- Chlorine-free. Low viscosity neat cutting oil that is also free of sulphur and heavy metals.
- Can be used for grinding, drilling, and machining of aluminum and yellow metals.

2V Item #	Unit of Measure
Call for details	1Gal.
Call for details	PAIL
Call for details	DRUM
Call for details	T275

KLEARCUT 128

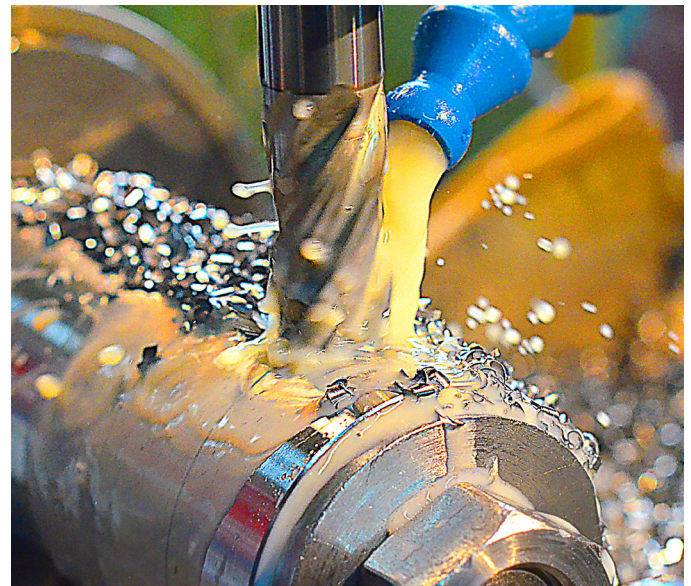
- Heavy-duty cutting oil, used for all applications, primarily designed for single-point treading, neutralized fatty esters and sulfur provide adequate extreme pressure lubrication for all alloys.

2V Item #	Unit of Measure
FIN2V5001-005	Pail
FIN2V5001-055	Drum
FIN2V5001-275	T275

KLEARCUT 2028

- Heavy-duty chlorinated cutting oil designed for heavy removal for complex gears and critical broaching compounds.
- To assist in the requirements for part finish and tool life, sulfurized esters along with neutralized esters to achieve the result.

2V Item #	Unit of Measure
FIN3V1003-005	Pail
FIN3V1003-055	Drum
FIN3V1003-275	T275



XR52AT

- XR-52 AT is a fully synthetic, industrial cleaner designed to work in ambient temp water for even the most challenging cleaning operations.
- Leaving a very thin, protective coating to eliminate corrosion after the parts are clean.

2V Item #	Unit of Measure
FIN2V4022-005	PAIL
FIN2V4022-055	DRUM
FIN2V4022-275	T275

XR52HT

- XR-52 HT is a fully synthetic, industrial cleaner designed to work in high temperature water for even the most challenging cleaning operations leaving a very thin, protective coating to eliminate corrosion after the parts are clean.

2V Item #	Unit of Measure
FIN2V4022-005	PAIL
FIN2V4022-055	DRUM
FIN2V4022-275	T275

ULTRAKLEAN 1013FC

- Universal floor cleaner / can be used in scrubbers along with mop buckets for conventional cleaning.

2V Item #	Unit of Measure
FIN2V4003-005	Pail
FIN2V4003-055	Drum
FIN2V4003-275	T275

ULTRAKLEAN 7000

- Designed using renewable resources.
- Super concentrated degreaser environmentally friendly.
- Will replace aggressive solvent based cleaning compounds ... non-petroleum based fluid.

2V Item #	Unit of Measure
FIN2V4020-005	Pail
FIN2V4020-055	Drum
FIN2V4020-275	T275

CITRAGREEN



- Multi-purpose cleaner used in various industrial applications.
- Environmentally safe, biodegradable.

2V Item #	Unit of Measure
FIN2V4011-005	Pail
FIN2V4011-055	Drum
FIN2V4011-275	T275

ULTRAKLEAN 8000XS

- Designed using renewable resources.
- For almost all industrial applications, transportation, mining, agriculture, and standard maintenance applications / replace harsh and hazardous chemicals.

2V Item #	Unit of Measure
FIN2V4003-005	Pail
FIN2V4003-055	Drum
FIN2V4003-275	T275

ECO TRU CUT D-41



- Environmentally designed VOC compliant aerosol degreaser.
- Industrial / mining / agriculture application will remove greaser, ink, wax, and grime.
- CARB approved.

2V Item #	Unit of Measure
FIN2V4019-CASE10	Case (12 cans)

SK100

- SK-100 is a synthetic industrial cleaner designed for both ambient and elevated temperature washers its ability to precipitate dirt, fines, and other contaminants from the washer solution to avoid redepositing these compounds.
- As a sump cleaner, SK-100 will assist you to remove stubborn deposits within the sump, allowing these contaminants to be removed.

2V Item #	Unit of Measure
FIN2V4000-005	PAIL
FIN2V4000-055	DRUM
FIN2V4000-275	T275

INPROTECT 2010

- Heavy-duty corrosion inhibitor to protect ferrous and non-ferrous metals, water-based
- Properties, thin film, transparent indoor 12 months, fixtures, jigs...etc.

2V Item #	Unit of Measure
FIN2V6004-005	Pail
FIN2V6004-055	Drum
FIN2V6004-275	T275

INPROTECT 166

- General-purpose corrosion inhibitor to protect ferrous and non-ferrous metals, water displacing and fingerprint neutralizer properties, thin film, transparent indoor 12 months, fixtures, jigs...etc.

2V Item #	Unit of Measure
FIN2V5007-005	Pail
FIN2V5007-055	Drum
FIN2V5007-275	T275

INPROTECT 278M

- Heavy-duty outdoor corrosion inhibitor / solvent based technologies / designed for a medium coat of protection
- Allows up to 12 months outdoor if applied correctly.

2V Item #	Unit of Measure
EXP0202-005	Pail
EXP0202-055	Drum
EXP0202-275	T275

RP225

- Water based corrosion inhibitor designed for short to long term indoor storage.
- Mixed at various ratios to meet the specified need.

2V Item #	Unit of Measure
FIN2V6001-005	Pail
FIN2V6001-055	Drum
FIN2V6001-275	T275

RUST AWAY

- Specialized material designed to restore materials, regardless of composition, to their original luster and finish.
- Rust Away will remove the most stringent oxidation and encapsulate it preventing redeposit.

2V Item #	Unit of Measure
FIN2V4030-005	Pail
FIN2V4030-055	Drum
FIN2V4030-275	T275



SPIN 22

- Spin 22 is a low-viscosity mineral oil for use in lubrication of high-speed machine spindles.
- Spin22 is free from gumming properties.

2V Item #	Unit of Measure
PTCOR5034-005	Pail
PTCOR5034-055	Drum
PTCOR5034-275	T275

AW32

- AW32 Hyd Oil is premium grade oil designed for use in all hydraulic systems where anti-wear hydraulic oil is recommended.
- Rust and oxidation inhibited and contain an effective anti-wear.

2V Item #	Unit of Measure
PTCOR5004-005	Pail
PTCOR5004-055	Drum
PTCOR5004-275	T275



WAY 68

- Slideway lubricants which are formulated to protect slide-ways which carry machine tools in severe environments.
- Way 68 is designed for use in plain bearing slideways of lathes, shapers, grinders, and milling machines.

2V Item #	Unit of Measure
PTCOR5021-005	Pail
PTCOR5021-055	Drum
PTCOR5021-275	T275

AW46

- AW46 Hyd Oil is premium grade oil designed for use in all hydraulic systems where anti-wear hydraulic oil is recommended.
- Rust and oxidation inhibited and contain an effective anti-wear.

2V Item #	Unit of Measure
PTCOR5005-005	Pail
PTCOR5005-055	Drum
PTCOR5005-275	T275

ULTRATAP 200

- Water-based tapping fluid, excellent adhesion characteristics, can be used directly in oil and water systems.
- Sufficient film boundary / extreme pressure additives allowing reduction in tool point interface temperatures. Non-flammable.

2V Item #	Unit of Measure
FIN2V7001-005	Pail
FIN2V7001-055	Drum
FIN2V7001-275	T275
FIN2V7001-16oz	16oz 12/Case

LUBRICANTS Call for details

EP GEAR OIL

- 2V EPGO exceeds the requirements of industrial gear oil specifications, including AGMA 250.03, AGMA 250.04 (proposed), and U.S. Steel 224.
- Contains a balanced blend of rust and oxidation inhibitors, extreme pressure agents, and antifoam agents for optimum gear lubricant performance.

2V Item #	Unit of Measure
EP GEAR OIL 150	
PTCOR5031-005	Pail
PTCOR5031-055	Drum
PTCOR5031-275	T275
EP GEAR OIL 220	
PTCOR5006-005	Pail
PTCOR5006-055	Drum
PTCOR5006-275	T275

2V Item #	Unit of Measure
EP GEAR OIL 320	
PTCOR5007-005	Pail
PTCOR5007-055	Drum
PTCOR5007-275	T275
EP GEAR OIL 460	
PTCOR5036-005	Pail
PTCOR5036-055	Drum
PTCOR5036-275	T275

ULTRA DIE MARKING INK Call for details

YELLOW

- Locating high spots on molds and dies
- Matching bearing and gear surfaces
- Making templates

2V Item #	Unit of Measure
FIN2V7006-160Z	Pail
FIN2V7006-320Z	Drum
FIN2V7006-001	T275

BLUE

2V Item #	Unit of Measure
FIN2V7005-160Z	Pail
FIN2V7005-320Z	Drum
FIN2V7005-001	T275

RED

2V Item #	Unit of Measure
FIN2V7006-160Z	Pail
FIN2V7006-320Z	Drum
FIN2V7006-001	T275



HS 80

- Ethanol antiseptic topical solution containing ethanol 80% (v/v).
- Liquid or gel sanitizing solutions.

2V Item #	Unit of Measure
HS 80 LIQUID	
PTLIQ2000-001	1 Gal
PTLIQ2000-005	Pail
PTLIQ2000-055	Drum
PTLIQ2000-275	T275
HS 80 GEL	
PTLIQ2001-001	1 Gal
PTLIQ2001-005	Pail
PTLIQ2001-055	Drum
PTLIQ2001-275	T275

MR

- Quant amine-chloride user-friendly spray.
- Disinfects all surfaces, ready-to-use, spray or fogged in areas not reachable via conventional equipment.
- Highly effective in eradicating 99% of biological activities.
- Used aggressively in mold remediation and water damage.

2V Item #	Unit of Measure
FIN2V4040-001	1 Gal
FIN2V4040-005	Pail
FIN2V4040-055	Drum
FIN2V4040-275	T275

HPC6

- Concentrated sodium hypochlorite (Bleach).
- 5.6% delivered technologies, can be used in present state or diluted to a desirable level.
- Used extensive in second phase cleaning after either MR and or HP.
- Aggressive in killing viruses and other biological matter.

2V Item #	Unit of Measure
RMLIQ117-001	1 Gal
RMLIQ1177-005	Pail
RMLIQ1177-055	Drum
PMLIQ1177-275	T275

HP

- Hydrogen peroxide 25% concentrated multi-surface cleaner - disinfectant.
- Can be used in its present state and diluted to desirable level.
- Immediate kill on viruses and biological activity. Use proper PPE.



2V Item #	Unit of Measure
PTSOL4002-001	1 Gal
PTSOL4002-005	Pail
PTSOL4002-055	Drum
PTSOL4002-275	T275

SKR 5

- Heavy concentration industrial cleaner - degreaser
- Extremely caustic cleaner for floors, surfaces, machinery, walls, and anything you can think of needing to be cleaned.
- Non-aggressive on hands and equipment
- Originally designed to clean and decontaminate CNC machines, this product kills biological matter, bacteria and viruses.



2V Item #	Unit of Measure
FIN2V4003-005	Pail
FIN2V4003-055	Drum
FIN2V4003-275	T275

ULTRAKLEAN SK 200 M

- Industrial cleaner - degreaser
- Concentrated maintenance cleaner for floors, surfaces, machinery, walls, and anything you can think of needing to be cleaned.
- Non-aggressive on hands and equipment.
- Use straight or diluted with water as a carrier.
- Encapsulates and removes particulates.
- Non-flammable, non-toxic, high solvency characteristics; kills biological matter and is extremely effective against biological microorganisms

2V Item #	Unit of Measure
RMLIQ117-001	1 Gal
RMLIQ1177-005	Pail
RMLIQ1177-055	Drum
PMLIQ1177-275	T275

APPLICATION GUIDE

	Chlorinated	Cast Iron	Steel	High Carbon Steel	Low Silicon Aluminum	High Silicon Aluminum	Titanium	Nickel Alloys	Brass & Copper	Recommended Concentration	Refractive Index Factor Range
Semi-Synthetic											
Ultrakol 723NCB		■	■	■	■	■		■	■	6-10%	2.75-4.5
Ultrakol 8000NCB		■	■	■	■	■		■	■	6-10%	3.3-5.5
Ultrakol 206NCB		■	■	■	■	■		■	■	6-10%	4-6
Ultrakol 883VG		■	■	■	■	■	■	■	■	6-10%	7-12
Ultrakol LF											
Synthetic											
Ultracut 1010		■	■	■	■	■		■	■	5-10%	1.75-3.6
Ultracut 1015B		■	●	■	■	■		■	■	5-10%	2-4
Ultracut 1020		■	■	■	■	■		■	■	5-10%	1.3-3.2
Ultracut CG-		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5-10%	2-4
Ultramax 9000		■	■	■	■	■		■	■	5-10%	7-10
AEROSPACE											
Ultrakol 8000NC		■	■	■	■	■	■	■	■	8-10%	3.3-5.5
414 Maxcool Ultra		■	■	■	■	■	■	■	■	8-10%	4-6
Cutting Oil											
Klearhone 125LV		■	■	■	■	■		■	■	Straight Oil! No Mixing Required!	
Klearhone 245A											
Klearcut 128		■	■	■	■	■		■	■		
Klearcut 150											

■ = Best ■ = Better ■ = Good ■ = Do not use



Problem	Causes	Solutions
Foaming	Concentration too high	Adjust concentration
	Machine cleaner in sump	Check pH level Allow machine to run cleaner should dissipate
	Mechanical (crack in hose, sump level too low, crack in pump, pump pressure too high) Restricted Intake	Check machinery and repair as required
	Soft water	Sample water treat if necessary
	High tramp oil content	Skim off oil Check hydraulic lines for leaks, and repair as required
	Equipment Design	Check system for point of agitation

Problem	Causes	Solutions
Rusting	Concentration too low	Adjust concentration
	pH too low	Adjust pH level
	Poor mixing (soluble oil)	Add concentrate to water
	High tramp oil content	Skim off oil
	High bacteria count	Check hydraulic lines for leaks, and repair as required
		Dump, clean and recharge system

Problem	Causes	Solutions
Poor Tool Life	Concentration too low	Adjust concentration
	Wrong product being used	Contact 2V Industries
	Large amounts of biocide added to sump or system	Contact 2V Industries
	High tramp oil content	Skim off oil Check hydraulic lines for leaks and repair as required
	Air in coolant	Check for mechanical problems
	Incorrect application	Make sure coolant is directed at tool

Problem	Causes	Solutions
Odor	Concentration too low	Adjust concentration
	Low pH	Check pH then contact 2V Industries
	High tramp oil content	Skim off oil Check hydraulic lines for leaks and repair as required
	Contamination	Check for mechanical problems
	Chips and swarf build-up	Make sure coolant is directed at tool

Keys To Proper Fluid Maintenance

Concentration and Cleanliness

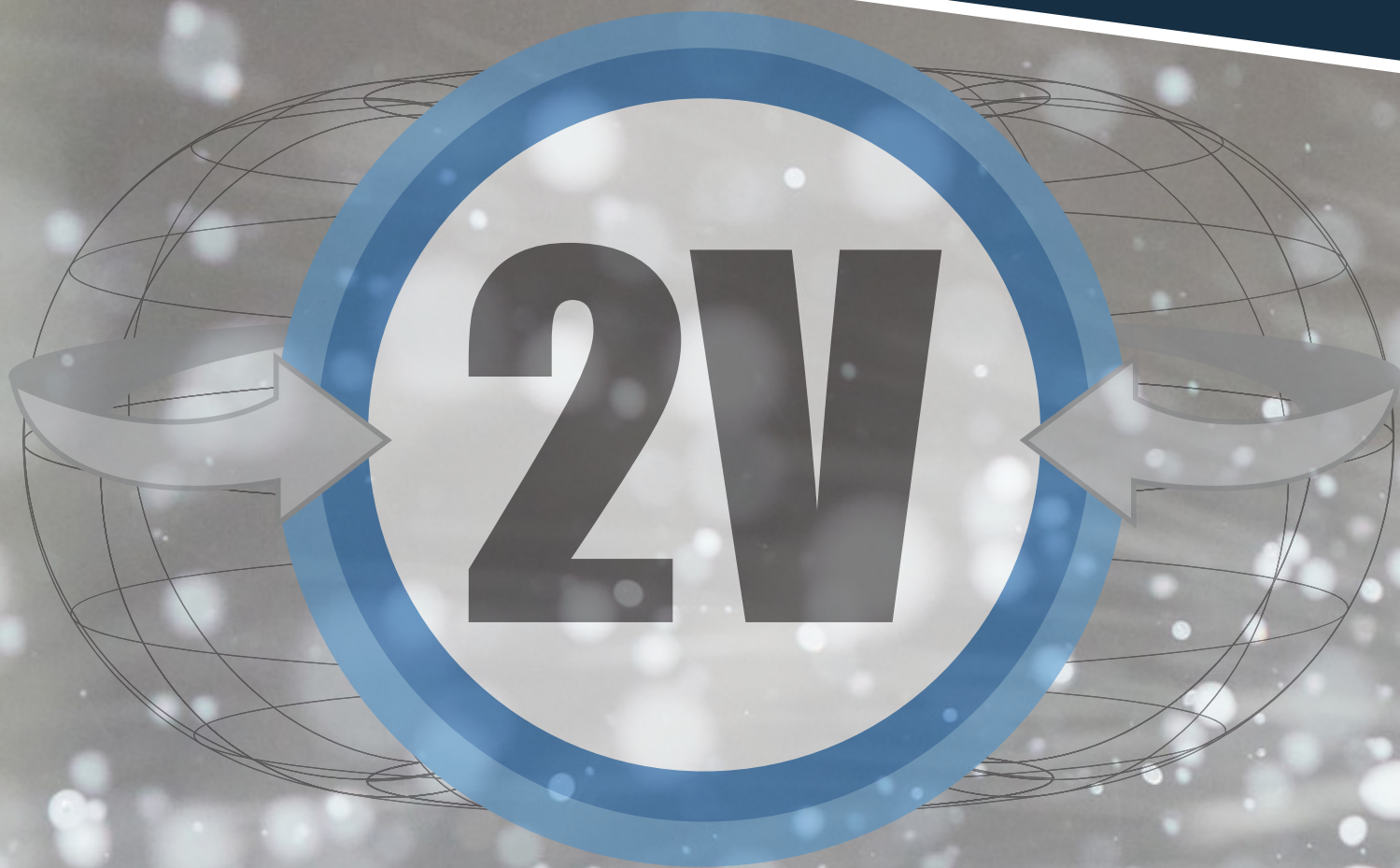
In order to properly maintain metalworking fluid performance there are two key factors to managing fluids in process. One is to maintain proper solution concentration and the other is cleanliness of the system.

Maintaining solution concentration has the largest impact on fluid performance. By maintaining recommended concentration, product constituents and additives are at proper levels to meet optimal tooling and finish requirements. This will also aid in control of biological growth, thus preventing subsequent issues like dermatitis, foam and corrosion of parts and machines.

In addition to maintaining proper recommended concentration, the second item to address is maintaining a clean system. Through effective filtration and routine system cleanings, fluid condition will remain in optimal condition. Keeping sediment and sludge build-up from accumulating will reduce sites for biological colonies from growing. The removal of tramp oils will also benefit the fluids as it acts as both a chemical deterrent to cooling and lubrication as well as providing a readily available source of food for bacteria.

10 Steps To Coolant Management

1. **Assign Responsibility:** Assign one person or group to manage all fluid activities to develop and implement a program for managing the fluid process. They will record all changes and additions as well as schedule cleaning and additions.
2. **Clean System:** Prior to charging up a system with new product or when routinely cleaning, thoroughly clean the system with the aid of a sump cleaner. Follow clean-out procedures for 2V Industries Machine Cleaner.
3. **Maintain Concentration:** Check concentration on a routine basis. Add premix metalworking fluid when needed. Properly maintained concentration will provide lubricity, corrosion protection and bio-resistance.
4. **Keep System Free of Chips and Swarf:** Chips and swarf can plug up recirculation lines, poor tool life and poor part finish. Chip build-up can cause flow and capacity issues.
5. **Use Good Quality Water:** Ideal water is 80-120 ppm hardness. Too soft can lead to foaming, too hard can lead to stability and corrosion issues. Recommend DI water for make up.
6. **Keep Fluid Aerated:** Keeping fluid aerated and moving will aid in preventing bacteria from growing. Reduce "Monday morning stink."
7. **Flush Chips and Swarf:** Removal of chips and swarf eliminates location for bacteria to grow.
8. **Keep System Free of Chips and Swarf:** Avoid contaminating fluid with foreign material. No cigarette butts, spitting or trash.
9. **Remove Tramp Oil:** Minimize leaks and contamination of oils into fluid will improve condition of fluids and will prolong longevity.
10. **Proper Storage and Distribution:** Store indoors and properly label containers. Distribute according to plan.



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Established 1968

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