

President's Letter

Superfilers

Barry Miller

Saw Performance Specialists Columbia Falls, MT

Wes Wilcox

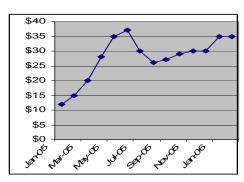
The Cutting Edge Billings, Montana

Barry Miller called about gas flux. He was trying it and wanted my opinion. It sounds really good so I bought a unit to test and we are now selling them. (See inside)

Wes Wilcox bought 25 Comet tips for a test.

Thank goodness we're not a big outfit. If we were a big outfit we wouldn't be allowed to sell 25 tips. The truth is we probably lost money selling these even at our size. But Wes is a bright guy who is willing to put his money on the table to run a test. However he doesn't want to spend more than he has to. We are betting that he will like the tips and buy more in the future.

Tungsten Carbide Raw Material Prices What you can do P.4 Also Help for Stellite© Users



\$12 - \$35 in the last fourteen months.

Carbide Processors, Inc.

Northwest Research Institute, Inc.

Newsletter April, 2006

3847 S. Union Ave. Tacoma, WA. 98409 (800) 346-8274
sales@carbideprocessors.com www.carbideprocessors.com

Super C grade Carbide 95 % Re-order rate

A truly good new, generation of carbide to replace conventional grades from C-1 to C-3

Hardness (HRA) 92.3 T.R.S. (psi) 537,000

Call Emily and try 500, 800 346-8274

May we please supply you with tips and pretinning. We will do a really good job. Honest, we will?



Top quality Carbide



Beautiful Pretinning



We are really good on small parts

NEW – Water Soluble Oil Coolant

We started selling Grindz-all because we had complains about the smell of Rustlick as well as the price of Coollube 220. Call Emily

Cost per gallon: \$89.00 for 5 gallons and you mix it 40:1.

Coolube 220 is \$ 190.00 for five gallons and you mix it 20:1.

If you get bad carbide or good carbide with bad pretinning it peels off like ice on a stop sign.



Vollmer Parts and Repair

A lot of folks have been using Burl Swiger for parts and repair of their Vollmer and Cascade Southern Grinders. Burl Swigar / Triple S 503-803-6838

New Grinders

If you are interested in a new grinder you might try Norm Brown of Simonds. Their grinders are selling very well. Norm Brown Cell: (360) 589-9030

Cal Saw Canada- wow!

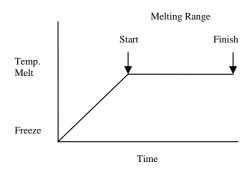
I went up to Cal Saw Canada on a research project. I can't tell you what we did or how they do things. But I can tell you that they have some extremely samrt innovations to improve quality in both round saws and bands. Plus they have some of the best people I have ever seen. (Hi, Alastair). Call Cliff Gordon (503) 580-3253 for more information

Melting Energy

When we tell you that braze alloy melts at 1270 F or 1305 F that is true. However there is more to it.

When something goes from a solid to a liquid it requires extra energy. Solids are a low energy state and the molecules are locked together pretty tightly. A liquid is a higher energy state and the molecules move much more freely. That is why liquids flow and solids don't.

Once you get something to the melting temperature you have to put more energy into it to get it to melt.



The same thing happens when you braze or weld. Once you get the metal hot enough you need to hold it at that temperature until it fully melts.

Ice Cube Melting

When you drop an ice cube into boiling water it melts. But it doesn't melt instantly.



Hot water on hot plate, stop watch and ice cubes.

Heat the water to boiling on a hotplate and drop an ice cube in it. Keep track of how long it takes to melt with a stop watch.

How long it takes something to melt depends on how much heat you put in and how fast you do it as well as much heat melting takes out.



Ice cube over boiling water



Half melted ice cube

We ran two tests. In the first test it took 36.29 seconds for the ice cube to melt. In the second test it took 38.59 seconds.

This is a standard ice cube in about an inch of water. The difference in temperature between freezing and boiling is pretty small. If you have a small piece of material you are brazing or welding and you are using a torch at 4,000 degrees the melting energy will be achieved much faster but it will still take some time and you need to allow for that.

Really Good Brazers Can Be Too Good

Braze alloys melt over a range that can be as long as 100 degrees. Some brazers are so experienced that they see flow at the low end of the range and stop heating before the braze alloy is fully heated.

Automatic brazers may or may not hold the alloy at the melt point

An automatic brazer set to heat the parts up to melting temperature and then quit may not hold the parts at the melting temperature long enough.

Identity Theft Precautions

The next time you order checks have only your initials (instead of first name) and last name put on them. If someone takes your check book they will not know if you sign your checks with just your initials or your first name but your bank will know how you sign your checks.

When you are writing checks to pay on your credit card accounts, DO NOT put the complete account number on the "For" line. Instead, just put the last four numbers. The credit card company knows the rest of the number and anyone who might be handling your check as it passes through all the check processing channels won't have access to it.

Put your work phone # on your checks instead of your home phone. If you have a PO Box use that instead of your home or Never have your SS# printed on your checks.

Photocopy the contents of your wallet, both sides of each license, credit card, etc. You will know what you had in your wallet and all of the account numbers and phone numbers to call and cancel. Keep the photocopy in a safe place. I also carry a photocopy of your passport when you travel.

When Identity Theft Happens

- 1. Cancel your credit cards immediately using the number you saved when you photocopied your wallet.
- 2. File a police report immediately in the jurisdiction where it was stolen, this proves to credit providers you were diligent.
- 3. Call the three national credit reporting organizations immediately to place a fraud alert on your name and Social Security number. :

Equifax: 1-800-525-6285 Experian (formerly TRW): 1-888-397-3742

TransUnion: 1-800-680-7289
4. Social Security Administration (fraud line): 1-800-269-0271

Saw blade census data

http://www.census.gov/prod/ec02/ec0231i332213t.pdf

IndustrialToolSharpen ing@yahoogroups.com

This is a really good discussion group. I received a call from Chris Miller of Whiteside Machine Company. He and I were talking about the group and we both agreed that we didn't understand a lot of it but we were both impressed by it and were learning a lot from it.

One suggestion is the following from Chuck Hicks of Southeast Tool, Inc. When you are recycling carbide and coolant you can also recycle sludge if it is dry and has enough of the right metal. (carbide is good, steel is no good.)

Here is a suggestion from Chuck. Make a green house out of a 55 gal drum, cut it in half long way, like some people make grills and put glass (green house) on top with some kind of contraption to stir the sludge. After about 2-3 days in the Summer, it dries out and you can scoop it out into a drum for later sale back to carbide companies. Most carbide companies will make you send them a sample first to see exactly what you have and the content b-4 they will tell you how much they will pay.

Editor's note: any material held for recycling is, by law, not hazardous waste. If you wish to know more contact me and I will send a couple pages of relevant federal regulations.

Bernie Paulson of Simonds, Portland

Bernie is a purchasing agent and a good one. We got an email from him. He had been told something was impossible and thought he ought to see for himself. He asked if we would help him and we are happy to.

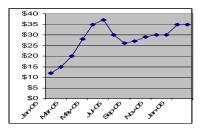
Please Specify Us For Pretinning Ask for us where you buy carbide or call us directly



We are really, really good at pretinning small parts

Tungsten Carbide Raw Material Prices

What you can do



Tungsten Chrome and other metals are increasing dramatically. There are several things you can do.

1. Buy better quality carbide.

Buying carbide is like buying a screwdriver. We are doing spring clean up. Part of what we are getting rid of are cheap hand tools. We bought them because we thought "for the price, how could we lose." What we got were cheap tools that slipped, bent and broke. We replaced them with tools that cost a little more but they work and don't break.

We have some new grades of carbide that are well worth testing. Our Super C grade has a very good harness for long wear and it ahs an incredibly high transverse rupture strength which makes it very hard to break and also contributes to much longer wear.

2. Recycle and Sell

Because prices are high for new powder there is a much greater market for used carbide. We are paying up to \$5.00 per pound for scrap carbide. This price changes daily and different kinds of carbide (inserts, tips, braze alloy on it, etc.) sell for more or less. This price changes every day so call Emily for a quote 800 346-8274.

3. Use less Carbide

A. Buy better quality carbide with tighter dimensions so it needs less grinding.

B. Use just what you need. We were working on a project for customer who wanted a less expensive, more effective stump grinder tip. Ron analyzed the old part and realized that all the wear was on the edges. The part is dished so that it digs better.



Tool left, old solid carbide in middle and new design on right.

Since all the wear is on the outside all the carbide in the middle does is add to the cost.

Ron designed a ring and we came up with brazing method so we actually get a much stronger bond with a ring than they did with a thick disk.

Ron Mills China PacifiCarbide, Inc. Phone: 714 692 8492 ext. 203 ron@chinapacificarbide.com http://www.chinapacificarbide.com/

Filter Systems Available Through Top Quality Distributors such as



Peerless Saw Co., Smith Sawmill Supply, Burton/Fitt Saw & Supply, Equipment Ltd., Jack Sigrist, Moon's and wherever you buy saw supplies

Braze alloy – top quality at very good prices www.brazealloy.com

Catalog

Worlds/ Best Brazed Tools Supplies & equipment for those that build them



Sawfiler Brand Tools & Supplies



High quality and unique tools, supplies and technology to make your job easier and your products superior

3847 S. Union Ave. Tacoma, WA. 98409 800 346-8274 President@carbideprocessors.com www.carbideprocessors.com

Excellent work on small parts

Special Carbide Services

ecial Carbide Services

Cryogenic treatment
High shiny surface
Slick surfaces for easy feeding
Rough surface for easy handling
Custom boxing
Custom labels

Pretinning
Wire, shim and pate
22 different alloys available
Regular and cold process pretinning
As much as you want at no extra charge
Cadmium frea limit alloys
Cadmium alloys
Hi impact pretinning with manganese
High strength high silver alloys
Trinteal shims any thickness
Patented surface treatments
Really pretty jips

If you resell carbide we provide

Boxes of candy with your name on them

We will box pretinned tips for you in boxes of 500 each with a custom label on it. We can generate a label with words and art in black on white. We can also provide warning labels.

We will be happy to do demo boxes for you. We can provide sample boxes with your name on them and candy inside.

Custom back angles

Custom grinding Custom shapes Presharp Pre-sizing

Really pretty tips

Supplies, Products & Services We Offer

Carbide Grades & Shapes Talonite® Cast Saw Tips, Blanks and Bar Stock

All Standard grades

High Performance Grades
"Super C"
Comet "M"
Comet "X"

Special Carbide Services Braze treating Custom grinding Custom lengths Custom shares Presharp Pre-sizing High shine surface Slick surfaces for easy feeding Rough surface for easy handling handling Custom boxing Custom labels

Pretinning Wire, shim and paste 22 different alloys available Regular and cold process pretinning Cadmium free alloys Cadmium alloys Hi impact pretinning with manganese
High strength high
silver alloys
Trimetal shims any thickness
Patented surface treatments
Really pretty tips

Braze Alloys (Braze Alloy / Silver Solder)

Filter Units Coolant Te Coolant Test Instruments

Proscope - Digital Microscope

High Wear Metals For Knives and Scrapers Talonite® cobalt / chromalloy

Brazing Services Testing

Books we sell

1. Building Superior Brazed Tools
2. Failure Analysis In Brazed Tools
3. Managing Coolants From Machining And Grinding

"Sawfiler" T shirts & Coffee Mugs

We Buy Carbide Scrap and Grinding Swarf



Braze Alloys (Braze Alloy / Silver Solder)

ssraze Alloys (Braze Alloy. Wire – any diameter – any amour Ribbon Solid alloy Sandwich Plymetal, trimetal Any Thickness, any width Brazing paste Shim Shim Hot process Cold process All sizes, thicknesses and widths

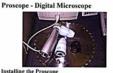
22 alloys – all AWS premium alloys
Cadmium alloy – 50% Silver with Cadmium
Regular Cad Free – 50% Silver without Cadmium
High Impact – 40% Silver, Cad free with manganese. This is a
caf free baze alloy that works better than any other cad free braze alloy. It is the easiest, simplest way to prevent ip loss and braskane.



Wizzerroo Brazing Tool \$12.95 The Hot Rod Saw Tip Poker with Normalloy Possibly the most overbuilt tool anyone every made

Normalloy is technically an ASM classified Superalloy. This is a much better alloy than required for this use but we use and sell a lot of it so the price is right. Besides we like making really, really good tools. Birch wood handle with pin vise tip and Brass ferrule. Only \$12.95

Precision Equipment



Installing the Proscope
Plug the scope into the USB port
Insert the CD, close the CD and let it run
When you get a message saying that the software is not prov
to be compatible with Microsoft click "continue anyway" Installation will finish automatically

To start the camera - Plug the camera in Go to the start menu in the lower left hand corner of your monitor sen Click Start

Click settings Click control panel
Click printers and other hardware
Click scanners and cameras
Click scanners and cameras
Click the Scalar USB Shot
If you do not have the Proscope plugged
in then nothing will show up

What you get in the small package The scope all ready to plug into a USB port. A 50x lens with LED lighting. A good solid, tripod and a really nice Samsonite soft case. The software loads in minutes.



Really Easy to use – Rest the hood right on what you want to see and a picture shows up on your monitor. Here we are taking a picture of the "on" key



Package 1; \$ 468 Basic USB computer package Comes complete and ready to use with: Proscope, Instructivers and 50x lens with standard internal lighting. This unit plugs directly into a USB port on a computer.

High Wear Metals For Knives and Scrapers

Talonite® Prize winning knife alloy

Talonite® cobalt / chrome alloy
Impervium is a minesweeper grade, nongalling stainless steel.
Lubricium is Impervium that has been
"cold reduced", hammered to create a
tighter structure.



HIPed to be void free & precision ground.

Talonite® comes as round rod for automatic tipping machines. This material can be welded on and then ground to shape.

In Burn welding rod - This is "as cast" rod. It is the lowest cost rod. The tolerance of the state of the lowest cost rod. The tolerance rod to the state of the rod to the cost of the rod to the rod the rod to the rod the rod to the rod to the rod to the rod to the rod the rod

Talonite® advantages
Talonite has the advantages over carbide of being harder to
break, possibly having less drag (lower coefficient of friction)
and Talonite can be ground with less expensive wheels. Carbide
requires diamond wheels and Talonite can be ground with CBN
(cubic boron nitride) wheels.

You can get about the same thin kerf with Talonite as you can with swaged steel. Figure 0.060° - 0.070° while tungsten carbide is pretty well limited to a low end of 0.100° - 0.110° in primary wood.

Tungsten, fron, Silicon and Carbon. It has a Rockwell of C 68, tensile above 100,000 blycia, in a fit is extremely acid resistant. Talionize's has excellent high heat, wear and corrosion recisiance. Talionize's forms Cobalo-Chromisun carbides when it is welded. This gives it strength and wear resistance. This gives Talonite superior strength and wear resistance. The cobalt forms a soft and strong matrix that holds the carbide grains in

NEW & FREE CATALOG

Here are pages from our new catalog. Call Emily to get one you can read 800 346-8274

Carbide Grades & Shapes, All Standard grades, High Performance Grades, "Super C", Comet "M", Comet "X"

Talonite® Cast Saw Tips, Blanks and Bar Stock

Special Carbide Services

Braze treating Custom grinding Custom lengths Custom shapes Presharp Pre-sizing High shine surface Slick surfaces for easy feeding Rough surface for easy handling Custom boxing Custom labels Exact counts

Pretinning Wire, shim & paste 22 different alloys available Regular and cold process pretinning Cadmium free alloys Cadmium alloys Hi impact pretinning with manganese High strength high silver alloys, Trimetal shims any thickness, Patented surface treatments Really pretty tips

Braze Alloys (Braze Alloy / Silver Solder) Flux

Filter Units Coolant Test Instruments Coolant

> And much, much more

Carbide Grades & Shapes Our history, starting with Weyerhaeuser is saw tips. In twenty five years we has added a tremendous ability to supply outom shapes in advanced grades that

Alternate to Aluminum cutting Band Saw Tips Bits and shanks Canadian style tips Special carbide shapes Special grinds Square back American Rectangular Strips Strob blanks & strips Stump grinding TiCN true cermets Trim saw tips Cast saw tips Comet grade reinfor carbide Cutoff saw tips
Drill bits
Edger tips
European style tips
Extended wear grades

Trim saw tips High Precision for Auto Uses & Industries Agriculture applications Drill bits Drill Tips Form tools & misc. Hollow top LT.C.O. tips Metalworking saw tips Nail cutting grades Pallet cutting Right & left handed tips Slasher Teeth L & R Rail back V-back Router tips
Saw blades
Special tools
Tile scraping & nippers
Wear and cutting edges
Woodworking carbide

Talonite® Cast Saw Tips, Blanks & Bar Very long wear Take a very sharp edge Almost impossible to break Highly corrosion resistant Almost impossion to creat Highly corrosion resistant Cuts faster with higher chip load. Soft matrix and hard grains









Grades - All Standard Grades





High Performance Grades

"Super C" Hard as a C-3 and tougher, a lot tougher than a C-1. This is a sub-micron grade tip with special additives and incredible performance values. A Transvers Ruture Strength of 537,000 P.S.I. and a hardness of 92.3 HRA

Comet "M" - Super tough, Extra high wear C-3 and C-4 Comet Grade "M" for Macho
12% coBat - 3 micron grain size (88.8 Avg. HRA)
Grade M is extremely tough and is best used in saw tips that require toughness and resistance to fracture (applications where impact or interrupted cuts are involved). Ideal for frozen lumber and lumber with foreign materials such as nails and staples.
Excellent for impact.

Comet "X" - Extended wear -6% cobalt - submicron structure. (93.5 Avg. HRA) Comet X is used in app requiring very high wear resistance. Grade X is a very hard grade, ideal for manmade materials, MDF, fiberboards, etc., where there are no foreign materials. Very high wear characteristics but not suitable for impact applications.



Ultra Micro Grain	2 to 5 Micron
Sub Micro Grain	.5 to .7 Micron
Micro Grain	.7 to I Micron
Fine Grain	1 to 1.4 Micron
Medium Fine Grain	1.5 to 2.5 Micror
Medium Grain	2.5 to 4 Micron
Coarse Grain	4 to 10 Micro

Filter Units We Sell



CP 1000 - \$599 High performance, long life, lo ost. A submersible pump drops in the sump and umps though a bag filter. This gives very good ltering and very good filter life in small shops. esigned for use with manual equipment



CP 2000 - \$1,198 - Single pass, fine filtering: Optional sump for laser crystals, military, etc. Works very well in high capacity saw & tool shops but will need a filter change about every three days. Best with a separate sump where ultra fine polishing (2,000 grit) is needed.



CP 2002 - \$2,038
One-month filter life in saw shops. Best model for saw & tool shops. The result of 7 years of constant development with a couple hundred saw and tool operations from one man shops to major international manufacturers.



Wall Mount unit - \$675 - Same life & effectiv filtering as CP 2002 - runs off coolant pump on grinder. This unit mounts on the wall and uses the coolant pump on the grinder. If your grinder has a small coolant pump you may nee to upgrade it to a larger pump.



CP 2002 –2 \$2,454 3 way - Turn 2 valves and filter 2 sumps - Mighty Max motor add \$480 Makes it very easy to switch from one sump to the other by just switching two valves Not for filtering two sumps at the same time



CP 2020 - \$2,398 - 4 times filter life of CP 2020 - \$2,398 - 4 times filter life of 2002 - Mighty Max motor add \$480 is solid, proven, hardworking, with a huge capacity, (6 times the capacity of the CP 2002) The unit has a bag filter followed by a cartridge filter and is easily configured as a polishing unit after a centrifugal system.



CP 3000 - \$2,158 with 3rd filter & \$2,638 with Mighty Max motor - ultra clean CP 3000 - \$2,158 with 3" filter & \$2,638 with Mighty Max motor – ultra clean filtering & long filter life.

The third filter services as a polishing filter for ultra clean coolant. Turbo 2000 - \$43.85 - in stainless steel. Holds 10 - 10" filters. The open interior causes turbulence that increases efficiency by shifting flow to the most suitable area. An excellent unit for use as a polishing unit with a centrifugal



Optical shops & Lab unit - \$1798, general lens grinding & other uses where appearance is essential. Quiet, clean pump & clean, white cover

Coolant Test Instruments

Recommended
Digital Brix Refractometer \$369.00 complete
Cobalt Test Strips \$75 per tube of 100
H Test Strips\$25.90 per box of 100
Bacteria & Fungus Test Kit - Box of 10 - \$91.40
Graduated Cylinder \$19
Complete Starter kis \$559.30 save \$21



so available tical Refractometer 0 - 32% \$170

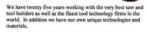


Coolant

Coolant
Coolant
Coolant
Reside Flower Christic Grind
Sgal - S160.9
Russlick Flower Christic Grind
Sgal - S160.9
Russlick Coolant – is a synthetic high performance diamond whele grinding coolant which combines high rust protection while minimizing coolant which combines high rust protection while minimizing coolant which combines high rust protection for first private the Section and fungus.

Cobalt remover 4 oz. \$5.95

World's Best Sawblades We supply the best brazed tools in the world.





If you have an unusual application of just want the very best please contact us.

Wear Resistance Cermet vs. Carbide			
	Flank We	k Wear (mm)	
Time (min.)	Carbide	Cennet	
	0.23	0	
10	0.5	0	
15	0.65	0.4	
20	0.8	0	
25	0.84	0.5	
30	0.88	0.4	

A brazed carbide tipped knife that is 0.025" thick and 0.5" wide



Brazing Services

Torch Oven Vacuum Atmosphe Induction Braze consulting Contract brazing

Consulting Failure analysis

Training Brazing consulting Environmental con-

technologies ECP Surface Treatm Brazing or Joining C

Braze treating

Brazing consulting Environmental consulting Safety and Health consulting Environmental consulting Grinding Coolant Managemet Coolant Testing Filtering Grinding Coolant EPA compliance



Testing of Grinding Coolant

3. Viscos...
4. pH
5. Conductivity
6. Cobalt levels
7. Chromium levels
8. Level
9. Level
9.



Books \$50 on line, \$100 printed & coil bound

Books we sell

1. Building Superior Brazed Tools
267 pages, 271 illustrations covering more than seventy
2. Failure Analysis In Brazed Tools
97 pages and 165 illustrations.
3. Managing Coolants From Machining And Grinding



We Buy Carbide Scrap and Grinding

Gas Flux - A Great Product But You Have To Be Very Careful

- ✓ It may catch fire spontaneously.
- ✓ You can't put the fire out with water, you need foam.
- ✓ The container may explode.
- ✓ You need full protective gear including self contained breathing apparatus if it spills.
- ✓ It should be stored under Nitrogen.

We had a filer call about a product he was trying called Gasflux. He really liked it because it put flux into the torch flame and he didn't need any other flux. He had trouble getting it to the underside of the saw blade but he was working on that.

We found the Gas flux company on the Internet and contacted them. They sent a unit on a 30 day, money-back guarantee.

When Rick was putting it together he noticed that the directions made it very clear that you had to be 35 horizontal feet from any power source or heat source including switches, motors, transformers, hot pipes etc.

I read the MSDS and the warning didn't look that bad so I figured they were just being very careful.

Just to make sure I went online and did some checking. I also called my insurance agent and the local fire department. The fire department came back and determined that I would have to put in an automatic alarm system and automatic fire suppression, preferably foam but sprinklers would do. A quick estimate was \$35,000 for sprinklers in 4,000 sq. ft.

The research I did on the Internet revealed other MSDS sheets that gave a different impression. Different people have different opinions of the dangers of things. That doesn't make either one right or wrong.

Gas flux contains Methyl alcohol, Acetone and Trimethylborate. Methyl Alcohol and Acetone are both very flammable and pose serious health risks. Trimethylborate is much worse.

Flash point is the lowest temperature at which a liquid can form an ignitable mixture in air near the surface of the liquid. The lower the flash point, the easier it is to ignite the material. The source of ignition need not be an open flame, but could equally be, for example, the surface of a hot plate, or a steam pipe.

Autoignition is the lowest temperature at which vapors passing from the substance into the air will catch fire spontaneously if a small flame is present.

Flash point	Autoignition	<u>1</u>		
Trimethylborate	e 17.6 F - <u>Sp</u>	ontaneous		
ignition in air				
Acetone	-4 F	688 C		
Methanol	54F	851 F		
Acetylene	64F	581 F		

Trimethylborate MSDS

Aldrich Chemical Company MSDS http://hazard.com/msds/f2/bkn/bknmr.h tml

Health Hazards

Acute and Chronic:

Acute: may be harmful by inhalation, ingestion or skin absorption. Vapor or mist is irritating to eyes, mucous membranes & upper respiratory tract. causes skin irritation.

First Aid Measures

Eyes: immediately flush w/copious amounts of water for at least 15 min. Skin: immediately flush w/copious amounts of water for at least 15 min while removing contaminated clothing / shoes. Remove & wash contaminated clothing promptly.

Inhalation: remove to fresh air. Support breathing (give oxygen by artificial respirator, call MD.

Ingestion: call MD immediately.

Fire Fighting Measures

Flash point: 17 F

Extinguishing media: CO2, dry chemical powder, alcohol or polymer foam. Water may be effective for cooling, but may not extinguish the fire. Fire fighting procedures: wear NIOSH/MSHA approved SCBA (Self contained breathing apparatus) & full protective equipment. Prevent contact w/skin & eyes.

Extremely flammable.

Use water spray to cool fire-exposed containers. Unusual fire/explosion hazard: Vapor may travel considerable distance to source of ignition & flash back. Container explosion may occur under fire conditions. Forms explosive mixtures in air.

Accidental Release Measures

Spill release procedures: evacuate area. Shut off sources of ignition. Wear NIOSH/MSHA approved scuba, rubber boots, heavy rubber gloves. Cover w/activated carbon adsorbent, take up & place in closed containers, transport outdoors. Vent area / wash spill site after material pickup is complete. Neutralizing agent: none specified by manufacturer.

Handling and Storage

Handling and storage precautions: store in cool, dry place under nitrogen. Keep away from heat, sparks & open flame. Keep tightly closed. Do not breathe vapor. Use non-sparking tools. Other precautions: moisture sensitive. Irritant. Avoid contact with eyes, skin and clothing.

I think this could be a very good product if you can handle the risk. It would void our insurance and the fire department wanted us to install about \$35,000 in sprinklers. So we won't be using it yet.

Bryan Machovina The Gasflux Co. Phone: 440-365-1941 Fax: 440-365-3495 800-253-7932 E-mail: gasflux@alltel.net PO box 1100 Elyria, OH 44036



Not only a pretty face but also great customer service

Here is Emily, who is always perky and always happy to help customers. Emily's job is to help people find carbide, silver solder, filter systems and everything else we sell. If we can't supply you but we know who can we will refer you. No matter what you want we will work really hard to find it.

\$1.50 a pound for Stellite® scrap.

We had a customer who wanted to sell his scrap and got a quote of less than a dollar. Emily went to work and got him better than twice as much.

The Brazing Book from Handy & Harman This is a really good reference on brazing available as a book, CD or online and it is free-http://www.brazingbook.com/

www.therightcarbide.com www.carbideprocessors.com

A Truly Classy Guy Ned Wood

Weyerhaeuser Warrenton,

OR



Hello to all at Carbide Processors.

I am Ned Wood, Al Bouchard's round saw filer. I have been tipping saws for two weeks now with the latest tips tinned by you. I wish to say that I am very pleased with the results. So far all of the tips look bright and well tinned. I have not had the problem with tip loss that I had experienced with some half dozen bags from last year. I have been able to turn the heat back down on my Hanna tipper. I have only lost a few tips from the bag labeled #2. Albert said that batch was done while he was there and you were experimenting with the temperature. So I must thank you all for helping us solve the problems we were experiencing.

Thank you to; Verna, Carmen, Tiana, Elisha, Licelda, Breanna, L.Grant and everyone else there who has worked on our tips.

Thank you Edwin (Ned) Wood Roundsaw Filer Weyerhaeuser, Warrenton **Looking for a Bench man/ Saw filer.** Bay Area Saw & Service – Hollister, CA – 831-637-3940

Used Equipment for Sale
ICE 24" Knife grinder; FOLEYRetipping fixture; Cincinnati - #2
Cutter Grinder with tooling,
Cincinnati- Powered Work Head
OLIVER- Ace Cutter Grinder with
tooling call Marvin Miller at Midwest
Sharpening Holton, MI 49425
(231)924-5953

Nice free mugs. The nice folks at Cherokee Saw & Tool in Coolidge, AZ sent us some nice mugs. The people at Cherokee have a really good reputation for quality and service. In addition they are innovative than most. You might give them a call 800-243-4342 520-723-5135

Don't Worry About Bothering Emily – She works with her Dad

We had a customer call Friday afternoon. He really, really needed parts for Saturday morning and no one else could help him. It took a couple calls and, on one of them he asked Emily if he was bothering her. Quick as a flash Emily said, "You're not bothering me, I work with my Dad."

I'm not sure exactly what she meant (and not sure if I want to know) but I do not that the whole reason we are here is to help folks.

Carbide Processors, Inc. Northwest Research Institute, Inc. 3847 S. Union Ave. Tacoma, WA. 98409