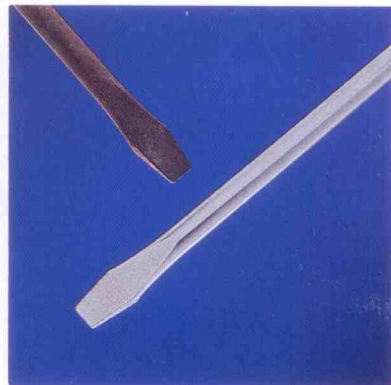
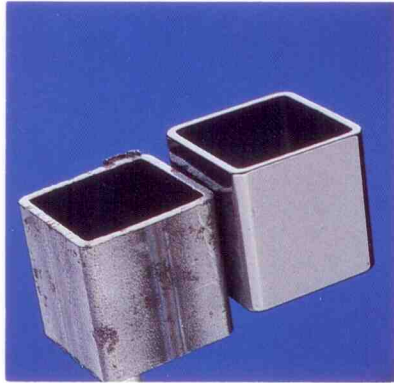


# Chemtrol®

VIBRATORY AND BARREL FINISHING COMPOUNDS



**FORTNA EQUIPMENT CO**  
2985 S. Wyandot Street  
Englewood, CO 80110  
(303) 756-6066



### ABRASIVE COMPOUNDS

Abrasive mass finishing compounds contain insoluble abrasive material for the purpose of expediting deburring and finishing operations. These products are particularly effective when used with hardened steel parts or parts where surface improvement is required.

Abrasive compounds are utilized in closed vibratory or tumble finishing systems. Chemtrol abrasive compounds have been developed through Precision Finishing's long experience with this type of mass finishing processing. They contain selected quality abrasives, water conditioners, suspension agents, and rust inhibitors to provide highest quality results.

Chemtrol Product No.	Description	pH Values	Usage Oz. per Gal. of Water
103	Aggressive long-lasting, white aluminum oxide clean cutting abrasive for normal deburring and stock removal. Produces fine finishes on long cycles.	9.8	12-16
106	Economical, low foaming, medium abrasive for short time cycles. Excellent for part on part processing.	9.2	12-16
108	Fine, long-lasting, clean cutting, white aluminum oxide abrasive. For normal burr and micro-inch improvement.	9.8	12-16
111	Low foaming, coarse abrasive for heavy deburring operations. Good for part on part processing where heavy burrs and coarse surfaces permitted.	11.4	12-16



### BURNISHING COMPOUNDS

Burnishing compounds provide bright, clean, lustrous results from mass finishing operations. Used following deburring or abrasive operations, they will restore color and are useful in removing spent materials which may interfere with subsequent processing. When used with hardened steel media, burnishing compounds produce especially bright finishes on stainless steel and non-ferrous parts which can be used as the final finish in many instances.

Production-tested Chemtrol burnishing compounds have been developed using quality concentrated raw materials to provide highest quality results at minimum concentrations.

Chemtrol Product No.	Description	pH Values	Usage Oz per Gal. of Water
206	High quality powdered compound which produces brighter, cleaner burnishes. Provides extreme slip in media mass. Ideal for tumbling barrels or other batch processes. Especially effective on stainless and hardened steels.	9.3	2-4
219	Liquid nonferrous deburring compound for use with nonmetallic medias. Produces clean, film free parts with light natural color.	9.9	1/2-2 (Fl.)
221	Liquid compound for deburring and burnishing nonferrous metals with nonmetallic media. Controlled foam minimizes part impingement, while providing burnished finishes.	9.1	1-2 (Fl.)
224	Nonchelated compound especially suited for plastic media processing. Eliminates plastic media foaming problems. Low foam and noncomplexing formula simplifies waste treatment.	9.9	1/2-2 (Fl.)
229	High foaming liquid burnishing compound. Provides excellent cushioning to minimize part impingement, while producing deep, lustrous color on all metals.	8.5	1-2 (Fl.)
236	Inhibited, mildly acidic liquid burnishing compound designed primarily for use with steel burnishing media. Maintains the steel burnishing media in a highly reflective, bright condition. Inhibit steel media prior to storage	4.6	1/2-2. (Fl.)
237	Inhibited, mildly acidic liquid burnishing compound for bleaching and tarnish removal of copper alloys. Cleans and brightens steel media. Low foaming. Inhibit steel media prior to storage.	4.2	1-2 (Fl.)
250	Non-scratch spherical bead added to mass to prevent flat parts from sticking together. Add compound prior to adding parts. Parts must be separated when adding for effective results.	Inert	12-16.

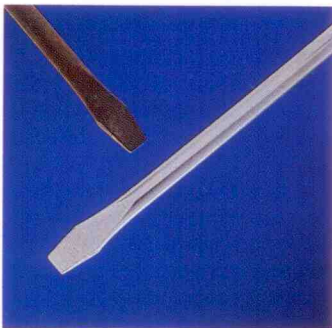


## CLEANING, RUST INHIBITING COMPOUNDS

Mass finishing cleaning compounds are utilized to remove oils, greases and other contaminants either during mass finishing processing or prior to the use of other processes. These materials are also employed where flow-thru or non-abrasive deburring operations are being performed. In addition to providing clean parts, they also serve the purpose of keeping media sharp and free from glazing.

Chemtrol cleaning compounds have demonstrated their superiority providing excellent cleaning characteristics and in-process rust protection. They have become a standard for comparison. The 300 series products also include alkaline descalers and rust inhibitors and preventatives. All products of this category are alkaline.

Chemtrol Product No.	Description	pH Values	Usage Oz. per Gal. of Water
307	Very concentrated powdered alkaline cleaner having excellent degreasing and rust inhibiting characteristics. Cleans large quantities of oil and removes stubborn soils. Inhibited for use with all metals and medias.	11.0	1-3
312	Powdered alkaline descaler for rust and heat treat scale removal. Also effective for metallic smut removal and for cleaning and sharpening media. Being alkaline in nature, it requires no neutralizing and causes no hydrogen embrittlement.	12.8	4-6
320	Liquid alkaline cleaner for mixed metal applications. Excellent non-ferrous cleaner. Keeps media and part surfaces clean to maximize cutting action.	11.0	1-2
331	Liquid water soluble rust inhibitor for in process rust protection on steel parts. The non-oily film provides up to several weeks of indoor rust protection and normally does not have to be removed prior to painting or coating. Nitrite and phosphate free.	9.2	2-10
341	Low foaming, liquid ferrous deburring concentrate for light oils. Produces clean, inhibited parts, while keeping the media sharp and aggressive. Not recommended for heavy oils and greases. Nitrite and Phosphate free.	10.0	1-2
342	Liquid ferrous deburring concentrate for medium to heavy oils. Imparts bright color with good inhibition. Keeps media exceptionally clean. Nitrite and phosphate free.	10.0	1-2
390	Liquid alkaline cleaner for medium to heavy soils. Cleans, brightens, and provides excellent inhibition. High detergency handles the oiliest jobs.	10.8	1-2



## DESCALING AND BLEACHING COMPOUNDS

Descaling compounds remove scale, rust, tarnish and discoloration from ferrous and non-ferrous metals. These products are also used as a bleach to restore natural metal color to parts which have been subjected to prior processing.

Chemtrol descaling compounds are designed to take advantage of the mechanical energies imparted by the mass finishing motion allowing the use of less corrosive acids than required in strictly chemical stripping operations. Cost reductions in waste disposal can be realized. Neutralization of parts and effluent is recommended following the use of these products.

Chemtrol Product No.	Description	pH Values	Usage Oz per Gal. of Water
400	Concentrated mild liquid acid detergent. Excellent color on copper alloys and precious metals. May be used as mild scale remover for ferrous and non-ferrous materials.	2.5	2-4 (Fl. oz.)
405	Powdered inhibited acid cleaner for heavy scale removal and as bleach to restore natural metal colors after grinding operations.	1.7	2-4
409	High quality liquid inhibited acid descaler. Liquid provides complete solubility and faster activity.	1.5	1-2 (Fl. oz.)
415	Excellent for deflashing and deburring of zinc and aluminum parts where burnished finish is not required. Cleans and sharpens media which reduces time cycles while producing smut free parts. Also will remove tarnish from copper and its alloys.	3.0	1-4 (Fl. oz.)

# Chemtrol® COMPOUND SELECTION CHART

Operation	Material								
	Cold Rolled Steel	Hardened Steel	Stainless Steel	Copper, Silver, Gold	Brass, Bronze	Aluminum	Magnesium	Zinc	Plastic
Micro-Inch Improvement Surface Refinement	108	108	108	108	108	108			
Abrasive Deburring	103 111	103	103		103				
Non-Abrasive Flow Thru Deburring	341 342	341 342	341 342	219 415	219 415	219 221	219 221	219 221 415	219
Burnishing	206 221 229	206 221 229	206 221 229	221 229 400	221 229 400	206 221 229	221 229	221 229	221 229
Steel Media Burnishing	236 237	236 237	236 237	236 237	236 237	236 237		236 237	
Cleaning / Degreasing	307 342 390	307 342 390	307 342 390	307 320	307 320	307 320	320	320	
Corrosion Inhibitor	331	331		219	219				
Bleaching	312 405 409	312 405 409	312 409	237 400	237 400	400 409			
Descaling	312 405 409	312 405 409	312 409	237 409	237 409				
Neutralizing	307 342	307 342		307 320	307 320	307 320			

Chemtrol compounds contain biodegradable detergents and surfactants.  
 Color coding provides easy identification of products to help prevent misapplication.  
 Blue—Abrasives; Yellow—Burnishers; Green—Cleaners (alkaline); Red—Descalers (acid).  
**Bold Print**—Recommended choice.

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, express or implied.  
 Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risk and liability whatsoever in connection therewith.

Manufactured By:



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