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# 2022 DETERGENT CATALOG



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## Welcome

Welcome to the Alkota Family of Cleaning Detergents,

This catalog details the complete detergent line for solving your most demanding cleaning jobs!

Alkota has been formulating, developing new products and improving our cleaning detergents for over 20 years under the guidance of an experienced management team with a chemical expertise. Today, these efficient detergents are a source of pride and productivity in thousands of cleaning applications from industrial cleaning to residential cleaning.

The Alkota name is found on the most innovative cleaning detergents and machines in America. You'll find customer blends, formulas, exceptional products, great detergent knowledge and huge selection from Alkota.

We are here to help you grow your detergent and specialty chemical business to the next level.

Again, thank you for your interest in our products. We appreciate the opportunity and look forward to addressing all your detergent needs.

*Alkota Team*

Alkota Team,  
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# BAKERS DOZEN



## **Aluma Shine 2 TS-602** **Acid/Aluminum Brightening**

Great for 90%+ of aluminum brightening applications. One application can make oxidized aluminum look brand new. Removes tough smoke, carbon, grease, oils and built-up road film.

## **Rig Shine TR-409** **Truck Wash/Fleet**

Tough on grease, grime, oils, resins, carbon deposits and rubber-based soils. The best cleaning car wash detergent also adds a glossy shine for a "just waxed" appearance.

## **Power Blast TR-407** **Light Industrial**

Power Blast TR-407 is a biodegradable alkaline detergent. Safe to use on cars, trucks, SUV's, recreational vehicles etc. Contains a rust & corrosion inhibitor package. Outstanding for bug removal on all vehicles. Removes dirt, grime, air pollutants, grease and oils.

## **Salt Blaster TS-635** **Light Industrial**

Salt Blaster is a powerful industrial detergent. Salt Blaster is a combination detergent specifically formulated to remove heavy soils and damaging salt residue.

## **Vehicle Shine TR-405** **Car Wash**

A mildly alkaline non-hazardous vehicle cleaner. Powerfully removes grease, grime, road film, dirt and oils. Penetrating foam and paint protectors leave a clean, shiny surface.

## **Brown Wonder TR-451** **Industrial/Oil Fields Etc...**

Brown Wonder is excellent in cleaning engines, fifth-wheels, mining equipment, off-road equipment and construction equipment. Beneficial for heavy duty applications. Brown Wonder does an excellent job in drive-thru truck wash bays

## **Citrus Blast DE-721** **Citrus Degreaser/Cleaner Additive**

Works well in food prep areas. Works well as a stand alone degreaser or as an additive to our other detergents. Citrus Blast is a chemically neutral, non-acid, non-alkaline, natural based heavy duty degreaser.



# BAKERS DOZEN



## **APW Pro White PW-1000** **Parts Washer**

Non-foaming with no chelating agents. PW-1000 contains an exclusive corrosion inhibitor package to prevent flash rusting and darkening of brass parts. Safe to use on food surfaces. 100% active powder

## **Grease Cutter DE-703** **Degreaser (Non-Corrosive)**

A concentrated formula that penetrates grease, oil and dirt on contact, then creates a barrier between the stain and surface. Attacks the most difficult cleaning projects. Leaves an extremely clean surface that is free rinsing.

## **House & Siding AP-1114** **General Purpose Cleaner**

House & Siding is a biodegradable industrial detergent. Safe to use on virtually all painted, plastic and metal surfaces. A low sudsing general purpose detergent. Safe for use on house & deck washing applications. It is also an excellent cleaner in food service institutions.

**Sample 6-Packs of the Baker's Dozen are available For Sale. Contact your Alkota Sales Representative for more details.**

## **Masonry Clean Off MA-117** **Masonry Cleaner**

Masonry Clean Off will slowly dissolve concrete and other calcium/lime based products from surfaces. It is a safe option for cleaning up brick mortar.

## **Aluminum Polish Restore** **TS-611**

### **Polished Aluminum**

High performance formula. Removes heavy soil deposits and aluminum oxidation. Also removes smut from welding. Cleans most soiled aluminum and gives back the shine and luster to aluminum metals. Contains a very heavy inhibitor package to help protect polished aluminum.

## **Graffiti Eradicator RA-248** **Graffiti/Paint Removal**

Graffiti Eradicator RA-248 completely removes graffiti markings caused by aerosol latex or enamel spray paints, as well as acrylics and traffic line coatings. Penetrates to soften unsightly graffiti which may then be easily removed with a hot or cold pressure washer. Perfect for use by public works, school systems, mass transit authorities, park and rec departments, and many others.



# ALUMINUM BRIGHTENER

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# Aluminum Brightener

## ALUMA BRITE HD TS-206

One of the strongest aluminum brighteners on the market that is highly dilutable making it very economical for use. Great for 90%+ of aluminum brightening applications. One application can make oxidized aluminum look brand new. Removes tough smoke, carbon, grease, oils and built-up road film. Does NOT contain Hydrofluoric Acid. Fluoride accelerated reactions are from the ammonium fluoride salts. Not for use on polished aluminum, glass or anodized aluminum. **Industrial use only.**

### PRODUCT HIGHLIGHTS

- ◆ Unique blend of acids and biodegradable surfactants.
- ◆ Works well in hard or soft water.
- ◆ Rapidly removes oxide from aluminum and alloys.
- ◆ Reduces sanding/polishing/buffing. Ideal for: Aluminum Trailers or raw aluminum.
- ◆ Most rapid acting product with aluminum.
- ◆ Product with highest concentration of fluoride

### APPLICATION DIRECTIONS

Wet the surface rapidly with solution of Aluma Brite HD TS-206. Let sit for a few minutes. Do NOT allow product to dry on the surface. Go over the entire surface with brush or low pressure spray. Flush with clear water. Not to be used through a pressure washer. Use suitable downstream injector with pressure washer.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 32%
- ◆ pH 5% Solution = 1
- ◆ Specific Gravity = 1.14
- ◆ VOC = 1 grams per liter
- ◆ Appearance = Clear Liquid
- ◆ Hazardous , Corrosive Label
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container

Product Number	Size
B03-TSH206F3	5 GALLON / 18 L
B03-TSH206F5	55 GALLON / 208 L
B03-TSH206F8	275 GALLON / 1040 L

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# Aluminum Brightener

## LUMA POLISH 2 TS-630

Luma Polish 2 TS-630 is a non-corrosive biodegradable heavy duty, high performance industrial detergent used for removing heavy deposits of soils on aluminum, stainless steel and polished aluminum. Luma Polish 2 TS-630 is designed specifically for polished aluminum and new aluminum and will not harm cleaning surface when used as directed. Does not attack glass. The exclusive inhibitor package in this product protects the metal surface. This product also works well as step 1 in a 2 step cleaning process.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-hazardous.
- ◆ High content of surfactants. Blended with the specific selection of surfactant to quickly attack and break down the dirt stains on aluminum and polished aluminum.
- ◆ Economical per gallon cost.
- ◆ Leave the surface looking “factory new”.
- ◆ Excellent cleaning and degreasing properties.
- ◆ Effective in hard or soft water.

### APPLICATION DIRECTIONS

Wet the surface rapidly with a solution of Luma Polish 2 TS-630. Let sit for a few minutes. Do NOT allow product to dry on the surface. Go over the entire surface with brush or low pressure spray. Flush with clear water. In severe areas you may need to increase detergent concentration.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 13%
- ◆ pH 5% Solution = > 3
- ◆ Specific Gravity = 1.01
- ◆ VOC = < 1 gram per liter
- ◆ Appearance = Clear Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth’s ozone, or contribute to smog.
- ◆ Hard Water = Softens and is soluble.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container.

Product Number	Size
B03-TSH630F3	5 GALLON / 18 L
B03-TSH630F5	55 GALLON / 208 L

# Aluminum Brightener

## ALUMA SHINE 2 TS-602

Our most popular product for use in a wide array of aluminum brightener applications. Aluma Shine 2 TS-602 is highly dilutable making it very economical for use. Great for most aluminum brightening applications. One application can make oxidized aluminum look brand new. Removes tough smoke, carbon, grease, oils and built-up road film. Does NOT contain Hydrofluoric Acid. Not for use on polished aluminum, glass or anodized aluminum. **Industrial use only.**

### PRODUCT HIGHLIGHTS

- ◆ Unique blend of acids and biodegradable surfactants.
- ◆ A heavy corrosion inhibitor package minimizes reduces the risk of attacking non-oxidized aluminum.
- ◆ Works well in hard or soft water
- ◆ Brightens aluminum, stainless steel, copper, brass, an non-ferrous metals.
- ◆ Rapidly removes oxide from aluminum and alloys.
- ◆ Reduces sanding/polishing/buffing.
- ◆ Ideal for: Aluminum Trailers

### APPLICATION DIRECTIONS

Wet the surface rapidly with solution of Aluma Shine 2 TS-602. Let sit for a few minutes. Do NOT allow product to dry on the surface. Go over the entire surface with brush or low pressure spray. Flush with clear water. Not to be used through a pressure washer. Use suitable downstream injector with pressure washer.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 32%
- ◆ pH 5% Solution = 1
- ◆ Specific Gravity = 1.14
- ◆ VOC = 1 grams per liter
- ◆ Appearance = Clear Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container

Product Number	Size
B03-TSH502F3	5 GALLON / 18 L
B03-TSH502F5	55 GALLON / 208 L

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# Aluminum Brightener

## PHOS CLEAN TS-610

Phos Clean TS-610 is a highly concentrated heavy duty acid detergent. It is highly dilutable making it very economical for use. Removes tough smoke, carbon, proteins, scale build up, weld smut, grease, oils and road film.

### PRODUCT HIGHLIGHTS

- ◆ Aluminum & stainless steel trailers, trucks, buses, food processing equipment, industrial equipment and more.
- ◆ Unique blend of acids and biodegradable surfactants.
- ◆ Use in a food plant to remove protein build up and hard water deposits from processing equipment.
- ◆ Can remove concrete from industrial equipment & cement trucks.
- ◆ Brightens aluminum, stainless steel, copper, brass, and non-ferrous metals.
- ◆ Often used as a non-fluoride step one acid in a two step cleaning application.
- ◆ Rapidly removes oxide from aluminum and alloys.
- ◆ Reduces sanding/polishing/buffing.
- ◆ Works well in hard or soft water.

### APPLICATION DIRECTIONS

Apply with a pump-up sprayer or through a suitable down stream injector of a power washer. Adjust the mix ratio according to your cleaning applications or severity. NEVER apply to a hot surface and do not leave on cleaning surface any longer than 1-2 minutes. Use with plenty of water. Do not allow product to dry on the surface you are cleaning. Rinse surfaces thoroughly after cleaning with clear, cool, soft water.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 45%
- ◆ pH 5% Solution = 1.2
- ◆ Specific Gravity = 1.14
- ◆ VOC = 1 grams per liter
- ◆ Appearance = Clear Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container

Product Number	Size
B03-TSH510F3	5 GALLON / 18 L
B03-TSH510F5	55 GALLON / 208 L

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# Aluminum Brightener

## ALUMINUM POLISH

### RESTORE TS-611



Luma Polish TS-611 is a biodegradable heavy duty, high performance industrial detergent used for removing heavy deposits of soils on aluminum, stainless steel and polished aluminum. Luma Polish TS-611 is manufactured specifically for polished aluminum and new aluminum. Won't harm either surface when used as directed. Will not attack glass. Our exclusive acid inhibitor blend protects the metal surface from acid attack. Luma Polish TS-611 can be used as a step 1 in a two step cleaning process.

#### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ High content of surfactants. Blended with a specific acid inhibitor package to function with our proprietary surfactant package to quickly attack and break down the dirt stains on aluminum and polished aluminum.
- ◆ Contains a citrus degreasing package to remove bug guts, brake dust, and other smut from metal surfaces.
- ◆ Economical per gallon cost.
- ◆ Leaves the surface looking "factory new".
- ◆ Excellent cleaning and degreasing properties.
- ◆ Effective in hard or soft water.
- ◆ The inhibitor package helps minimize the attack to aluminum that is not oxidized.

#### APPLICATION DIRECTIONS

Apply with a pump-up sprayer or through a suitable down stream injector of a power washer. Adjust the mix ratio according to your cleaning applications or severity. NEVER apply to a hot surface and do not leave on cleaning surface any longer than 1-2 minutes. Use with plenty of water, do not allow product to dry on the surface you are cleaning. Rinse surfaces thoroughly after cleaning with clear, cool, soft water.

#### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 45%
- ◆ pH 5% Solution = 1.2
- ◆ Specific Gravity = 1.14
- ◆ VOC = 1 grams per liter
- ◆ Appearance = Clear Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container.

Product Number	Size
B03-TSH511F3	5 GALLON / 18 L
B03- TSH511F5	55 GALLON / 208 L

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# AUTO / TRUCK WASH

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# Auto/Truck Wash POWER BLAST TR-407



Power Blast TR-407 is a completely biodegradable alkaline detergent. A very versatile cleaner that is safe to use on cars, trucks, SUV's, recreational vehicles etc. Ideally suited for use in cleaning food processing areas. It carries a superb rust and corrosion inhibitor package. Outstanding for bug removal on all vehicles. Removes dirt, grime, air pollutants, grease and oils.

## PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-corrosive, non-caustic.
- ◆ Blended with the specific selection of surfactant to quickly attack and break down the dirt stains on aluminum and polished aluminum.
- ◆ Economical per gallon cost.
- ◆ Designed specifically for pressure washers.
- ◆ Designed for hot or cold washing.
- ◆ Exclusive dispersion and water softening package to aid in hard water conditions.
- ◆ Works well in hard or soft water.
- ◆ Cleans aluminums, metals glass and other industrial surfaces.

## APPLICATION DIRECTIONS

Adjust the mix ratio according to your cleaning application or severity. It is best to clean from the bottom up and rinse from the top down. Rinse surfaces thoroughly after cleaning with clear, cool, soft water.

## PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 19%
- ◆ pH 5% Solution = 11.8
- ◆ Specific Gravity = 1.03
- ◆ VOC = 10 grams per liter
- ◆ Appearance = Purple Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble Freeze/thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-H50701	KIT
B03-TRH50705	9-Pk KIT
B03-TRH507F3	5 GALLON / 18 L
B03-TRH507F5	55 GALLON / 208 L

# Auto/Truck Wash

## VEHICLE SHINE TR-405

A mildly alkaline non-hazardous vehicle cleaner. Powerfully removes grease, grime, road film, dirt and oils. Penetrating foam and paint protectors leave a clean, shiny surface

### PRODUCT HIGHLIGHTS

- ◆ Ideal for: trucks, buses, cars, boats RVs, industrial equipment and more.
- ◆ Safe to use on new aluminum & polished aluminum.
- ◆ Helps restore faded & oxidized painted surfaces.
- ◆ Citrus degreaser good for transportation cleaning, engines, painted surfaces, polished aluminum.
- ◆ Removes road film, grease, dirt, bugs and more.
- ◆ Safe on all surfaces.
- ◆ Designed for hot or cold water washing.

### APPLICATION DIRECTIONS

Adjust the mix ratio according to your cleaning application or severity. It is best to clean from the bottom up and rinse from the top down. Rinse surfaces thoroughly after cleaning with clear, cool, soft water.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 19%
- ◆ pH 5% Solution = 11
- ◆ Specific Gravity = 1.06
- ◆ VOC = 22 grams per liter
- ◆ Appearance = Blue Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-TRH50501	KIT
B03-TRH50505	9-Pk KIT
B03-TRH505F3	5 GALLON / 18 L
B03-TRH505F5	55 GALLON / 208 L

# Auto/Truck Wash

## BLUE LUSTER TR-406

Blue Luster TR-406 is safe to use on new aluminum and polished aluminum when used as directed. Blue Luster TR-406 restores faded and oxidized paint on vehicle surfaces. This product works well as a pre-spray on aluminum, stainless steel, metal, tires and engines. This product also works well on food surfaces, but you must be sure to rinse with potable water after cleaning.

### PRODUCT HIGHLIGHTS

- ◆ Non-corrosive, non-caustic.
- ◆ Fully biodegradable.
- ◆ Good for removing greases, pollution, dirt, grime on cars, trucks, buses, polished aluminum and other industrial surfaces.
- ◆ Can be used in automatic car & truck wash systems.
- ◆ Great for use as a 2nd step in a two-step transportation cleaning program.
- ◆ Economical per gallon cost.
- ◆ Designed specifically for pressure washers.
- ◆ Designed to work well in cold or hot water.
- ◆ Blended with the specific selection of surfactants to quickly attack and break down the dirt stains on aluminum and polished aluminum.
- ◆ Newest corrosion inhibitors to protect equipment and prevent flash rusting

### APPLICATION DIRECTIONS

Adjust the mix ratio according to your cleaning application. It is best to clean from the bottom up and rinse from the top down. Rinse surfaces with clear, cool, soft, potable water.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 19%
- ◆ pH 5% Solution = 11.0
- ◆ Specific Gravity = 1.06
- ◆ VOC = 10 grams per liter
- ◆ Appearance = Blue
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-TRH50601	KIT
B03-TRH50605	9-Pk KIT
B03-TRH506F3	5 GALLON / 18 L
B03-TRH506F5	55 GALLON / 208 L

# Auto/Truck Wash

## RIG SHINE TR-409

Rig Shine TR-409 is great for cleaning dirt, grime, bug splatter, tar, sap and even brake dust. Recommended for all types of users. The best cleaning car wash also adds glossy shine for a just waxed appearance.

### PRODUCT HIGHLIGHTS

- ◆ Ideal for: autos, boats, RV's, trucks, trailers, cycles.
- ◆ Safe to use on new aluminum & polished aluminum.
- ◆ Helps restore faded & oxidized painted surfaces.
- ◆ Contains a citrus degreaser that is good for transportation cleaning, engines, painted surfaces, polished aluminum.
- ◆ Removes road film, grease, dirt, bugs and more.
- ◆ Works in hard or soft water conditions.
- ◆ Designed for hot or cold water washing.

### APPLICATION DIRECTIONS

Adjust the mix ratio according to your cleaning application or severity. It is best to clean from the bottom up and rinse from the top down. Rinse surfaces thoroughly after cleaning with clear, cool, soft water.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 11%
- ◆ pH 5% Solution = 11.7
- ◆ Specific Gravity = 1.06
- ◆ VOC = 17 grams per liter
- ◆ Appearance = Red Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-TRH50901	KIT
B03-TRH50905	16-PK KIT
B03-TRH509F3	5 GALLON / 18 L
B03-TRH509F5	55 GALLON / 208 L

# Auto/Truck Wash

## RIGCLEANER TR-420

Rigcleaner TR-420 is a completely biodegradable, mild alkaline general purpose powder detergent. Rigcleaner TR-420 helps restore and re-new faded and oxidized painted surfaces. When used as directed is safe for use on aluminum and polished aluminum. Is perfect to use as a truck and vehicle cleaner. Works well in food process areas. Rigcleaner TR-420 is a “quick release” environmentally green detergent. Ideally suited for use with oily water separators and recycling systems.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-corrosive, non-caustic.
- ◆ Blended with the specific selection of surfactant to quickly attack and break down the dirt stains on aluminum and polished aluminum.
- ◆ Economical per gallon cost.
- ◆ Designed specifically for pressure washers.
- ◆ Designed for hot or cold washing.
- ◆ Exclusive dispersion and water softening package to aid in hard water conditions.
- ◆ Works well in hard or soft water.
- ◆ Rigcleaner TS-420 will clean up oils, greases, soil stains etc.

### APPLICATION DIRECTIONS

Mix 1/2 #. of Rigcleaner TR-420 per gallon of water. Adjust mix ratio according to cleaning application and severity. It is best to clean from the bottom up and rinse from the top down. Rinse thoroughly after cleaning with cool, clear, soft, potable water.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 100%
- ◆ pH 5% Solution = 11.2
- ◆ Specific Gravity = 1
- ◆ VOC = 2 grams per liter
- ◆ Appearance = Blue Powder
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble.
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-TRH520F2	KIT
B03-TRH520F3	16-PK KIT
B03-TRH520F5	5 GALLON / 18 L

# Auto/Truck Wash

## **XTREME TR-422**

Xtreme TR-422 is a readily biodegradable industrial car and truck wash. Xtreme TR-422 contains a natural citrus degreasing agent. This detergent contains a heavy blend of rust and corrosion inhibitors. When used as directed it is safe to use on most painted surfaces, cars, trucks, RV's, water craft etc. It loosens the grime quickly and rinses easily. Ideally suited for use with oily water separators and detergent recycling systems/ reclamation systems.

### **PRODUCT HIGHLIGHTS**

- ◆ Fully biodegradable.
- ◆ Non-corrosive, non-caustic.
- ◆ Blended with the specific selection of surfactant to quickly attack and break down the dirt stains on aluminum and polished aluminum
- ◆ Economical per gallon cost.
- ◆ Designed specifically for pressure washers.
- ◆ Designed for hot or cold washing.
- ◆ Exclusive dispersion and water softening package to aid in hard water conditions.
- ◆ Works well in hard or soft water.
- ◆ Contains an alcohol blend to help restore faded and oxidized painted surfaces to their original appearance.

### **APPLICATION DIRECTIONS**

Mix 1/2 #. Xtreme TR-422 per gallon of water. Adjust the mix ratio to cleaning desired according to severity of soil. Works best if used in temperatures of 100-180 degrees Fahrenheit. For challenging soils you may need to increase the amount of Xtreme TR-422 added to water. It is best to clean from the bottom up and rinse from the top down. Rinse thoroughly after cleaning with cool, clear, soft, potable water.

### **PHYSICAL DESCRIPTION**

- ◆ Active Ingredients = 100%
- ◆ pH 5% Solution = 12.1
- ◆ Specific Gravity = 1
- ◆ VOC = 2 grams per liter
- ◆ Appearance = Pinkish/Red
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container

Product Number	Size
B03-TRH422F3	50 #S / 22 KG

# Auto/Truck Wash

## TOUCHLESS TR-470

Touchless TR-470 is a powerful completely biodegradable liquid vehicle wash. The mild alkaline detergent is safe for use on automobiles and trucks. Touchless TR-470 protects trim and non-painted surfaces from rust and corrosion. Designed specifically to remove road film and bugs. Works well cleaning trucks, RV's, watercraft, off-the-road equipment and automobiles. Safe for use on polished aluminum and aluminum when used as directed. This is a huge asset when cleaning aluminum and polished aluminum that most corrosive detergents would ruin.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-corrosive, non-caustic.
- ◆ Blended with the specific selection of surfactant to quickly attack and break down the dirt stains on aluminum and polished aluminum.
- ◆ Economical per gallon cost.
- ◆ Designed specifically for pressure washers.
- ◆ Designed for hot or cold washing. Exclusive dispersion and water softening package to aid in hard water conditions. Works well in hard or soft water.
- ◆ Great for use in detail shops, auto and truck dealerships.

### APPLICATION DIRECTIONS

Adjust the mix ratio according to your cleaning application or severity. It is best to clean from the bottom up and rinse from the top down. Rinse surfaces thoroughly after cleaning with clear, cool, soft water.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 14%
- ◆ pH 5%. Solution = 11.9
- ◆ Specific Gravity = 1.07
- ◆ VOC = 0 grams per liter
- ◆ Appearance = Green Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-TRZ57001	KIT
B03-TRZ7005	9-PK KIT
B03-TRZ570F3	5 GALLON / 18 L
B03-TRZ570F5	55 GALLON / 208 L

# Auto/Truck Wash

## **XTREME PLUS TR-436**

Xtreme Plus TR-436 is a readily biodegradable industrial car and truck wash. Xtreme Plus TR-436 contains a natural citrus degreasing agent. This detergent contains a heavy blend of rust and corrosion inhibitors. When used as directed it is safe to use on most painted surfaces, cars, trucks, RV's, water craft etc. It loosens the grime quickly and rinses easily. Ideally suited for use with oily water separators and detergent recycling systems/reclamation systems.

### **PRODUCT HIGHLIGHTS**

- ◆ Fully biodegradable.
- ◆ Non-corrosive, non-caustic.
- ◆ Blended with the specific selection of surfactant to quickly attack and break down the dirt stains on aluminum and polished aluminum
- ◆ Comes in an easy to blend powder to deliver an economical ready to use cost per gallon.
- ◆ May be used through pressure washers, pump
- ◆ Designed for hot or cold washing.
- ◆ Exclusive dispersion and water softening package to aid in hard water conditions. Works well in hard or soft water. Contains an alcohol blend to help restore faded and oxidized painted surfaces to their original appearance. up sprayers, or mop buckets.

### **APPLICATION DIRECTIONS**

Mix 1/2 #. Xtreme Plus TR-436 per gallon of water. Adjust the mix ratio to cleaning desired according to severity of soil. Works best if used in temperatures of 100-180 degrees Fahrenheit. For challenging soils you may need to increase the amount of Xtreme Plus TR-436 added to water. It is best to clean from the bottom up and rinse from the top down. Rinse thoroughly after cleaning with cool, clear, soft, potable water.

### **PHYSICAL DESCRIPTION**

- ◆ Active Ingredients = 100%
- ◆ pH 5% Solution = 12.1
- ◆ Specific Gravity = 1
- ◆ VOC = 2 grams per liter
- ◆ Appearance = Pinkish/Red
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble.
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ DOES Ship UPS

Product Number	Size
B03-TRH536F3	40# PAIL / 18 KG

# Auto/Truck Wash

## **SUPER LUSTER TR-600**

Super Luster TR-600 is a super heavy duty industrial transportation cleaner designed for use in truck wash applications. Super Luster TR-600 is specifically formulated with a balanced blend of sodium hydroxide, natural citrus degreasers, alcohols and butyl to work on the toughest degreasing and cleaning applications while leaving that streak free shine. Used in cleaning stainless tankers, trucks, garbage trucks, mining equipment, logging and oil field equipment, fork trucks, construction equipment and floors. Removes smoke, carbon, greases, oils, carbonaceous soils and built up road film and is excellent in cleaning engines, fifth-wheel, mining equipment, off-the-road equipment and construction equipment, any heavy duty applications. Proven to clean organics out of scaled up coils. Super Luster TR-600 is perfect for those wide ranging applications of ag trailers that come through your truck wash, from tankers to box or livestock trailers

### **PRODUCT HIGHLIGHTS**

- ◆ Fully biodegradable.
- ◆ NO chlorinated solvents.
- ◆ High content of surfactants.
- ◆ Will dissolve deposits in scaled up coils, proven and tested.
- ◆ Our active ingredients are double most competitors.
- ◆ Economical per gallon cost.
- ◆ 1 kit can make up a tote of concentrate for use in automatic systems.
- ◆ Designed specifically for pressure washers.
- ◆ Designed for hot or cold washing. Exclusive dispersion and water softening package to aid in hard water conditions. Works well in hard or soft water.

### **APPLICATION DIRECTIONS**

Adjust the mix ratio according to your cleaning application or severity. It is best to clean from the bottom up and rinse from the top down. Rinse surfaces thoroughly after cleaning with clear, cool, soft water.

### **PHYSICAL DESCRIPTION**

- ◆ Active Ingredients = 20%
- ◆ pH 5% Solution = 11.3
- ◆ Specific Gravity = 1.06
- ◆ VOC = 38 grams per liter
- ◆ Flash Point = >180°F.
- ◆ Appearance = Red Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-TRH60001	5 PACK

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# DEGREASERS

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# Degreaser

## GREASE CUTTER DE-703

Grease Cutter DE-703 is a concentrated formula that penetrates grease, oil and dirt on contact, then creates a barrier between the stain and surface. Attacks the most difficult cleaning projects. Leaves an extremely clean surface that is free rinsing.

### PRODUCT HIGHLIGHTS

- ◆ Ideal for: Trucks, fifth-wheels, mobile homes, cars. Farm, home, industry, marine, auto.
- ◆ Helps restore faded paints.
- ◆ Versatile Cleaner and Degreaser effective on a wide variety of surfaces.
- ◆ Non-abrasive, non-flammable.
- ◆ Phosphate-free.
- ◆ Industrial strength, concentrated formula penetrates grease, oil and dirt on contact.
- ◆ Non-corrosive to electrical connections.
- ◆ Wipe away even the toughest stains in just seconds.
- ◆ Creates a barrier between the stain and the surface
- ◆ Certified Biodegradable product breaks down into non-toxic materials that will not harm the environment.
- ◆ Safe for use around plants, grass, etc.
- ◆ Can be diluted for cleaning mold and mildew off house roofs siding gutters.

### APPLICATION DIRECTIONS

Adjust the mix ratio according to your cleaning application or severity. It is best to clean from the bottom up and rinse from the top down. Rinse surfaces thoroughly after cleaning with clear, cool, soft water.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 20%
- ◆ pH 5% Solution = 11.7
- ◆ Specific Gravity = 1.09
- ◆ VOC = 29 grams per liter
- ◆ Flash point = > 212° F
- ◆ Appearance = Redish Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-DEH50301	KIT
B03-DEH50305	9-PK KIT
B03-DEH503F3	5 GALLON / 18 L
B03-DEH503F5	55 GALLON / 208 L

# Degreaser

## MACH 1 DEGREASER TR-413

Mach 1 Degreaser TR-413 is a blend of surfactants, alcohol and natural citrus byproduct. It is a quick release readily biodegradable, environmentally friendly detergent. A mild detergent, it is safe to use on carts, trucks, recreational vehicles, decks, sidewalks, driveways and house siding. Mach 1 Degreaser TR-413 will not harm windows or trim. Safe for use around exterior house plants and shrubs when used as directed. Helps restore and renew old oxidized paint and vinyl surfaces. Excellent for use in food preparation areas. Mach 1 Degreaser TR-413 is a highly economical general purpose cleaner.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-corrosive, non-caustic.
- ◆ Blended with a specific selection of surfactants to quickly attack and break down the dirt stains on aluminum and polished aluminum.
- ◆ APEO FREE of phosphates.
- ◆ Economical per gallon cost.
- ◆ Designed specifically for pressure washers or hand scrubbing.
- ◆ Designed for hot or cold washing. Exclusive dispersion and water softening package to aid in hard water conditions.
- ◆ Works well in hard or soft water.
- ◆ A truly anywhere/everywhere detergent. User friendly.

### APPLICATION DIRECTIONS

Adjust the mix ratio according to your cleaning application or severity. It is best to clean from the bottom up and rinse from the top down. Rinse surfaces thoroughly after cleaning with clear, cool, soft water.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 11%
- ◆ pH 5% Solution = 11.7
- ◆ Specific Gravity = 1.03
- ◆ VOC = 1 gram per liter
- ◆ Flash Point = >212° F
- ◆ Appearance = Blue Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-TRH51301	KIT
B03-TRH51305	9-PK KIT
B03-TRH513F3	5 GALLON / 18 L
B03-TRH513F5	55 GALLON / 208 L

# Degreaser

## CITRUS BLAST DE-721



Citrus Blast DE-721 is a chemically neutral, non-acid, non-alkaline, natural based heavy duty degreaser. Citrus Blast DE-721 is a “green” environmentally friendly degreaser. Works well in food prep areas. Works well as a stand alone degreaser or as an additive to our other detergents. As an additive use at the rate of ½ to 1 fluid ounce per gallon of detergent. Works particularly well with Iron Phosphatizer SD-919. 19. It does not interfere with the phosphatizing action.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-corrosive, none caustic.
- ◆ Attacks greases, grime, oils, tar, asphalt and other tough cleaning application.
- ◆ Economical per gallon cost.
- ◆ Designed specifically for pressure washers.
- ◆ Designed to work well in cold or hot water. Blended with a specific selection of surfactants to quickly attack and break down the dirt stains on aluminum and polished aluminum.

### APPLICATION DIRECTIONS

Adjust the mix ratio according to your cleaning application or severity. Wet the surface rapidly with solution of Citrus Blast DE-721. Let sit for a few minutes. Go over the entire surface with brush or pressure spray. Rinse surface thoroughly with clear water.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 18%
- ◆ pH 5% Solution = 6-9
- ◆ Specific Gravity = .97
- ◆ VOC = 137 grams per liter
- ◆ Flash Point = >121° F
- ◆ Appearance = Tan Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life=Two years in a sealed container
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-DEH521F3	5 GALLON / 18 L
B03-DEH521F5	55 GALLON / 208 L

# Degreaser

## **SUPER RED DEGREASER DE-750**

Super Red Degreaser DE-750 is a super heavy duty degreaser and industrial cleaner. Super Red Degreaser DE-750 is specifically formulated with a balanced blend of hydroxides and butyl to work on the toughest degreasing and cleaning applications. Used in cleaning trucks, mining equipment, logging and oil field equipment, fork trucks, construction equipment and floors. Removes smoke, carbon, greases, oils, carbonaceous soils and built up road film is excellent in cleaning engines, fifth-wheel, mining equipment, off-the-road equipment and construction equipment, any heavy duty applications. Proven to actually clean out scaled up coils. Field tested.

### **PRODUCT HIGHLIGHTS**

- ◆ Fully biodegradable
- ◆ No chlorinated solvents.
- ◆ High concentration of surfactants.
- ◆ Our active ingredients are double most competitors.
- ◆ Economical per gallon cost.

### **APPLICATION DIRECTIONS**

Adjust the mix ratio according to your cleaning application or severity. Apply warm as a pre-spray. Let sit for a short time. Use a lower pressure to rinse off, then follow with a high pressure rinse, cool, soft water is preferred. When cleaning Aluminum dilute 35 to 1 or more.

- ◆ Designed specifically for pressure washers.
- ◆ Designed for hot or cold washing.
- ◆ Exclusive dispersion and water softening package to aid in hard water conditions.
- ◆ Works well in hard or soft water.

### **PHYSICAL DESCRIPTION**

- ◆ Active Ingredients = 21%
- ◆ pH 5% Solution = 11.7
- ◆ Specific Gravity = 1.06
- ◆ VOC = 55 grams per liter
- ◆ Flash Point = >212° F
- ◆ Appearance = Red Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = 2 years sealed
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-DEH55001	KIT
B03-DEH55005	9-PK KIT
B03-DEH550F3	5 GALLON / 18 L
B03-DEH550F5	55 GALLON / 208 L

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# Degreaser

## READY CLEAN DE-782

Ready Clean DE-782 contains the newest most exclusive blend of soil penetrating surfactants, solvents and water softening agents to promote more efficient cleaning at a higher performance level yet is very economical. It is a highly concentrated detergent formulated to work quickly and effectively. Ready Clean DE-782 is a high foaming detergent used as a pre-spray or through your pressure washer. Effective in cold or hot water. It penetrates and removes the toughest soils. Contains an exclusive corrosion inhibitor package to protect parts and equipment. Ready Clean DE-782 is safe for use on trucks, tractor-trailers, drilling rigs, mining equipment, off-the-road equipment etc. With it's natural citrus ingredient it works well on degreasing, carbon removal and road film removal. It has a butyl base for deep down powerful cleaning. Highly alkaline detergent for maximum cleaning while safe for all trucks. Ready Clean DE-782 is environmentally friendly and completely biodegradable.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-corrosive, non-caustic.
- ◆ Designed specifically for pressure washers.
- ◆ Designed for hot or cold washing. Exclusive dispersion and water softening package to aid in hard water conditions.
- ◆ Works well in hard or soft water.
- ◆ Great for use in floor scrubbers and mop buckets for cleaning greasy shop floors.
- ◆ User friendly.

### APPLICATION DIRECTIONS

For general purpose degreasing use at 1-4 ounces per gallon depending on soil loads. May be used as a pre-spray on extremely heavy degreasing applications. Always rinse with clear, cool potable water.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 22%
- ◆ pH 5% Solution = 11.5
- ◆ Specific Gravity = 1.03
- ◆ VOC = 31 grams per liter
- ◆ Flash Point = > 212° F.
- ◆ Appearance = Phosphorescent Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-DEH582F3	5 GALLON / 18 L
B03-DEH582F5	55 GALLON / 208 L

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# INDUSTRIAL

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# Industrial

## POWER BLAST 2 TS-608

Power Blast 2 TS-608 is an extremely heavy duty industrial detergent for use in the toughest soil problems. It is effective in cleaning engines, fifth-wheels, off-road equipment, garbage trucks, dumpsters, livestock trailers, rendering trucks, and construction equipment. Power Blast 2 TS-608 is NOT for use on cars and regular vehicles due to its high content of hydroxides. Do NOT use on aluminum, polished aluminum, magnesium or galvanized metals. Power Blast 2 TS-608 can be used in food preparation areas making sure you rinse well with clear potable water after cleaning.

### PRODUCT HIGHLIGHTS

- ◆ CORROSIVE LABEL.
- ◆ Complete package of soil attacks that work on. The worst grease, grime and carbonaceous soils.
- ◆ For use in pressure washers.
- ◆ Effective in hard or soft water.
- ◆ Works well in hot or cold water.
- ◆ Can be foamed on.
- ◆ Work well on high fat and carbohydrate soils in food processing and rendering plants.

### APPLICATION DIRECTIONS

Adjust the mix ratio according to your cleaning application or severity. It is best to clean from the bottom up and rinse from the top down. Rinse surfaces thoroughly after cleaning with clear, cool, soft water.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 17%
- ◆ pH 5% Solution = 12.4
- ◆ Specific Gravity = 1.15
- ◆ VOC = 11 grams per liter
- ◆ Appearance = Red Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Hard Water = Softens and is soluble
- ◆ Scale Preventer = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ USDA Letter of Guarantee = Available
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container

Product Number	Size
B03-TSH50801	KIT
B03-TSH508F3	5 GALLON / 18 L
B03-TSH508F5	55 GALLON / 208 L

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# Industrial

## POWER BLAST 3 SD-926

Power Blast 3 - SD-926 is a heavy duty caustic cleaner for use on the toughest cleaning applications. Most effective in cleaning cooking hoods, deep fat fryers, grills and most equipment used in cooking restaurants. Great for cleaning dryers in paper mills, screens in corn milling, and other heavy carbon build ups. Removes heavy baked on carbon deposits. Undiluted it can strip paint and polyester powder coatings.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Corrosive Label.
- ◆ Great for cleaning dryers in paper mills and screens in wet corn milling plants.
- ◆ Highly effective in cleaning rendering plants and slaughter houses.
- ◆ Removes hog manure form concrete slats.
- ◆ Economical per gallon cost.
- ◆ Power Blast 3 - SD-926 is an excellent smokehouse cleaner.
- ◆ Not for use on cars, trucks, aluminum, painted surfaces or galvanized metals.
- ◆ Excellent cleaning and degreasing properties.
- ◆ Effective in hard or soft water.

### APPLICATION DIRECTIONS

Adjust the mix ratio to your cleaning application and/or severity. It is best to clean from the bottom up and rinse from the top down. Apply warm as a pre-spray. Let sit for a short time. Use a lower pressure to rinse off, then follow with a high pressure rinse, cool soft water is preferred. For paint stripping use full strength.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 31%
- ◆ pH 5% Solution = 12.4
- ◆ Specific Gravity = 1.15
- ◆ VOC = 1 gram per liter
- ◆ Flash Point = > 212° F
- ◆ Appearance = Brown Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-SDH526F3	5 GALLON / 18 L
B03- SDH526F5	55 GALLON / 208 L

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# Industrial

## RAPTOR TR-428

Raptor TR-428 is a biodegradable industrial detergent for use on industrial equipment, heavy off the road equipment, tractors etc. Raptor TR-428 is safe to use on food surfaces followed by a thorough potable water rinse. Contains a natural citrus package to help in the cleaning applications. Raptor TR-428 is safe to use on stainless steel, aluminum, metals and painted surfaces when used as directed. Free rinsing surfactant package.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-corrosive, non-caustic, non-hazardous.
- ◆ Blended with the specific selection of surfactant to quickly attack and break down the dirt stains on aluminum and polished aluminum.
- ◆ Economical per gallon cost.
- ◆ Designed specifically for pressure washers.
- ◆ Designed for hot or cold washing.
- ◆ Exclusive dispersion and water softening package to aid in hard water conditions. Works well in hard or soft water. A truly anywhere/ everywhere detergent. User friendly.

### APPLICATION DIRECTIONS

Adjust the mix ratio according to your cleaning application or severity. It is best to clean from the bottom up and rinse from the top down. Rinse surfaces thoroughly after cleaning with clear, cool, soft water.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 17%
- ◆ pH 5% Solution = 11.9
- ◆ Specific Gravity = 1.07
- ◆ VOC = 1 gram per liter
- ◆ Appearance = Semi-clear Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble.
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-TRH52801	KIT
B03-TRH528F3	5 GALLON / 18 L
B03-TRH528F5	55 GALLON / 208 L

# Industrial

## FARM SOAP TR-440

Farm Soap TR-440 is a revolutionary new cleaner and degreaser for the Ag Industry. Farm Soap TR-440 is a highly concentrated non-corrosive, detergent containing a special blend of alkaline builders, surfactants, natural citrus and water softening agents. Farm Soap TR-440 actually removes the micro layers of faded oxidized paint on metal equipment making this a permanent change and keeping the equipment looking like new.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-hazardous, non-corrosive.
- ◆ Refresh oxidized paint surfaces to look newer again.
- ◆ Act as cleaner/ degreaser in hog confinements, poultry barns, dairy barns and other animal facilities. It will remove fats, proteins, greases, oils.
- ◆ Cleans Ag Equipment.
- ◆ Highly economical per gallon use cost.
- ◆ Can add chlorine to this formula for a cleaner / sanitizer product combo in animal feeding operations.
- ◆ Does not contain heavy caustic products that may create application safety issues.
- ◆ Restores faded look of older painted metal equipment.

### APPLICATION DIRECTIONS

- ◆ BUILDING CLEANING: Before use remove gross contamination with high pressure spray.
- ◆ Wash from the bottom up and rinse from the top down.
- ◆ MOP, SPONGE OR BRUSH: Dilute 20-25 parts water to 1-part Farm Soap. Rinse with clear, hot potable water to drain.
- ◆ FOAM APPLICATION: Dilute 20 to 1 part Farm Soap in water. An industrial Foamer should be used. Rinse with clear, hot, potable water to drain.
- ◆ PRESSURE WASHER: Dilute 25-30 to 1-part Farm Soap.
- ◆ FARM EQUIPMENT: For oxidized painted farm equipment apply diluted 10 to 1 with a brush.
- ◆ For further information contact your Hydrus representative.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 23%
- ◆ pH 5% Solution = 11.7
- ◆ Specific Gravity = 1.09
- ◆ Appearance = Brownish Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container.

Product Number	Size
B03-TRH54001	KIT
B03-TRH540F3	5 GALLON / 18 L
B03-TRH540F5	55 GALLON / 208 L

# Industrial **BROWN WONDER TR-451**



Brown Wonder TR-451 is excellent in cleaning engines, fifth-wheel, mining equipment, off-the-road equipment and construction equipment, any heavy duty applications. Brown Wonder TR-451 does an excellent job in drive-thru truck wash bays. Do NOT use on polished aluminum, magnesium or galvanized metals.

## PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ No chlorinated solvents. High content of surfactants. Blended with natural citrus degreasers and our heavy duty surfactant blend for outstanding performance.
- ◆ Our active ingredients are double most competitors.
- ◆ Economical per gallon cost.
- ◆ Designed specifically for pressure washers.
- ◆ Designed for hot or cold washing.
- ◆ Exclusive dispersion and water softening package to aid in hard water conditions.
- ◆ Works well in hard or soft water.
- ◆ Newest corrosion inhibitors to protect equipment and prevent flash rusting. Prevents dark streaks on aluminum that are far too common with ordinary truck wash detergents.

## APPLICATION DIRECTIONS

Adjust the mix ratio according to your cleaning application. It is best to clean from the bottom up and rinse from the top down. Always rinse surfaces thoroughly after cleaning with clear, cool, soft, potable water. If cleaning aluminum dilute 35 to 1 or more.

## PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 17%
- ◆ pH 5% Solution = 11.5
- ◆ Specific Gravity = 1.07
- ◆ VOC = 1 gram per liter
- ◆ Appearance = Brown Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container

Product Number	Size
B03-TRH55101	KIT
B03-TRH55105	9-PK KIT
B03-TRH551F3	5 GALLON / 18 L
B03-TRH551F5	55 GALLON / 208 L

**SHIPS HAZARDOUS**



# Industrial **CARBONTUF TR-404**

Carbontuf TR-404 is a mildly alkaline non-hazardous vehicle/industrial cleaner. Works well as a pre-spray on engines, tires, bug removal and vehicles. Outstanding on all painted, plastic and metal surfaces. Works well for cleaning hog confinements. Excellent degreasing ability with our butyl and natural citrus package. Free rinsing surfactant package.

## **PRODUCT HIGHLIGHTS**

- ◆ It is certified by the USDA as a 98% biobased product, green verified by the US EPA, and listed on the EPA safer chemicals list.
- ◆ Fully biodegradable.
- ◆ Non-corrosive, non-caustic.

## **APPLICATION DIRECTIONS**

Adjust the mix ratio according to your cleaning application. It is best to clean from the bottom up and rinse from the top down. Always rinse surfaces thoroughly after cleaning with clear, cool, soft, potable water.

## **PHYSICAL DESCRIPTION**

- ◆ Active Ingredients = 18%
- ◆ pH 5% Solution = 11.1
- ◆ Specific Gravity = 1.03
- ◆ VOC = 33 grams per liter
- ◆ Flash Point = >212° F
- ◆ Appearance = Green Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container.
- ◆ USDA Letter of Guarantee - Available
- ◆ DOES Ship UPS

Product Number	Size
B03-TRH50401	KIT
B03-TRH50405	9-PK KIT
B03-TRH504F3	5 GALLON / 18 L
B03-TRH504F5	55 GALLON / 208 L

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# Institutional / Food Processing

## CHLORO-CLEAN IN-812

Chloro-Clean IN-812 is a fully biodegradable chlorinated detergent/cleaner for use in cleaning up bakeries, restaurants, schools, nursing homes, food processing plants, and hog confinements. Chloro-Clean IN-812 is ideally suited for food processing areas always rinsing thoroughly with potable water after cleaning the surface. Chloro-Clean IN-812 contains rinse aids, butyl for enhanced degreasing and an inhibited chlorine based oxidizer for safe but outstanding detergent performance.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-corrosive, non-caustic, non-hazardous.
- ◆ Blended with the specific selection of surfactants to quickly attack and break down the dirt stains on hard surfaces (ie. tile, polished metals, and painted metals)
- ◆ Economical per gallon cost. Inexpensive to buy and high dilution ratio while still providing excellent cleaning results.
- ◆ Designed specifically for pressure washers.
- ◆ Can also be used as a pre-spray or foamed on surfaces.
- ◆ Designed for hot or cold washing.
- ◆ Exclusive dispersion and water softening package to aid in hard water conditions.
- ◆ Works well in hard or soft water.
- ◆ Fog or mist for interior applications.
- ◆ Pending EPA approval as sanitizer.

### APPLICATION DIRECTIONS

Schools, office buildings, nursing homes: 1-part of Chloro-Clean IN-812 to 30-parts of water.

Playground equipment, other exterior surfaces: 1-part of Chloro-Clean IN-812 to 20-parts of water.

Vehicle interiors or similar environment: 1-part of Chloroclean IN-812 to 80-parts of water.

Adjust the mix ratio according to your cleaning application. It is best to clean from the bottom up and rinse from the top down. Rinse surfaces with clear, cool, soft, potable water.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 10%
- ◆ pH 5% Solution = 10.7
- ◆ Specific Gravity = 1.03
- ◆ VOC = 18 grams per liter
- ◆ Appearance = Clear Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble.
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-INH51201	KIT
B03-INH512F3	5 GALLON / 18 L
B03-INH512F5	55 GALLON / 208 L

# Institutional / Food Processing

## **SUPER BLITZ** IN-825

Super Blitz IN-825 is an excellent industrial detergent for use in baked on surfaces and carbon stained surfaces commonly encountered in maintenance cleaning applications. Super Blitz IN-825 is an excellent cleaner for bakeries, food processing plants, restaurants, hoods and most food surfaces in kitchens with hard baked soils. This product is safe for most food preparation areas when used as directed. Super Blitz IN-825 may also work as a paint stripper. Blended with a synergistically selected blend of soil remover components including water softening agents, solvents and buffered alkaline builders.

### **PRODUCT HIGHLIGHTS**

- ◆ Fully biodegradable.
- ◆ Non-corrosive, Non-caustic, Non-Hazardous.
- ◆ Blended with the specific selection of surfactants to quickly attack and break down fat and protein on polished metal surfaces in food prep or processing facilities.
- ◆ Good for removing greases, baked on hard soils etc.
- ◆ Economical per gallon cost.
- ◆ High dilution with superior cleaning.
- ◆ Designed specifically for pressure washers, foamers or pump up sprayers.
- ◆ Designed to work well in cold or hot water.
- ◆ Newest corrosion inhibitors to protect equipment and prevent flash rusting.

### **APPLICATION DIRECTIONS**

For paint stripping or extreme cleaning conditions use undiluted. For food processing or restaurant applications, Adjust the mix ratio to your cleaning application and/or severity. It is best to clean from the bottom up and rinse from the top down. Apply as a pre-spray. Let sit for a short time. Rinse surfaces thoroughly after cleaning with clear, clean, cool, potable water.

### **PHYSICAL DESCRIPTION**

- ◆ Active Ingredients = 20%
- ◆ pH 5% Solution = 11.7
- ◆ Specific Gravity = 1.15
- ◆ VOC = 1 gram per liter
- ◆ Flash Point= >200o F
- ◆ Appearance = Reddish/Brown Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-INH52501	KIT
B03-INH525F3	5 GALLON / 18 L
B03-INH525F5	55 GALLON / 208 L

# Institutional / Food Processing

## **CLEAN CLOTHES IN-827**

Clean Clothes IN-827 is a readily biodegradable laundry detergent designed to be gentle on your clothes, yet leave them clean and bright. Contains extremely free rinsing properties. For use in hospitals, industrial laundries, assisted living, and nursing homes. Because it rinses so easily it helps prevent bed sores in these facilities. Clean Clothes IN-827 is safe for baby clothes. It also protects machine parts.

### **PRODUCT HIGHLIGHTS**

- ◆ Fully biodegradable.
- ◆ Non-hazardous, non-corrosive.
- ◆ Contains 100% actives.
- ◆ Contains 7.8% phosphorous which is equal to 4.5 grams per quarter cup of detergent.
- ◆ Designed specifically for use in home and commercial clothes washing machines.
- ◆ Scent free.
- ◆ Contains optical brightener blend to make clothes appear cleaner and brighter.
- ◆ Designed for hot or cold washing.
- ◆ Exclusive dispersion and water softening package to aid in hard water conditions.
- ◆ Works well in hard or soft water. User friendly.
- ◆ Protects washing machine components.
- ◆ Exceptional free rinsing capabilities.

### **APPLICATION DIRECTIONS**

Top Load Washer: 1/3 Cup per load

Tumbler Washer: 1/4 Cup per load

For heavier soiled laundry use a heavier concentration of Clean Clothes-IN-827 or leave it in as a pre-soak before laundering

### **PHYSICAL DESCRIPTION**

- ◆ Active Ingredients = 100%
- ◆ pH 5% Solution = 11.4
- ◆ Specific Gravity = 1
- ◆ VOC = 1 gram per liter
- ◆ Appearance = White Powder
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Hard Water= Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-INH527F2	25 #S / 11 KG

# Institutional / Food Processing

## PERACLEAN® 15 IN-801

PERACLEAN® 15 IN-801 peracetic acid is a strong biocidal agent that is effective against numerous pathogens which include bacteria, viruses and yeasts. On March 12, 2020 PERACLEAN® 15 has been added to a list of Emerging Viral Pathogen Claims PERACLEAN® 15 IN-801 can be used against [SARS-COV-2] on hard, non-porous surfaces.

### PRODUCT HIGHLIGHTS

- ◆ Unique blend of acids and biodegradable surfactants.
- ◆ Use in a food plant to remove protein build up and hard water deposits from processing equipment.
- ◆ Brightens aluminum, stainless steel, copper, brass, and non-ferrous metals.
- ◆ Works well in hard or soft water.
- ◆ PERACLEAN® 15 can be used to disinfect floors, walls, and other hard nonporous surfaces such as countertops, bathroom fixtures, shelves, appliances, tile, vinyl, porcelain, ceramic, plastic, stainless steel, aluminum, sealed stone, and painted surfaces.
- ◆ PERACLEAN® 15 should not be used on marble or brass

### APPLICATION DIRECTIONS

Dilute PERACLEAN® 15 with the appropriate amount of water 0.85 (0.5-1.0) fl. oz per 1 gallon of water. Apply solution with a cloth, mop, sponge, auto-scrubber, or hand pumper trigger sprayer such that all surfaces remain wet for 1 minute to kill viruses. Allow surface to air dry. For heavily soiled areas, a preliminary cleaning is required. Prepare a fresh solution daily or more often if the use solution becomes visibly soiled clouded or diluted.

The product is applied via a low-pressure sprayer or a pre-soaked wipe onto pre-cleaned surfaces.

After disinfection procedure the treated surfaces can be rinsed with pure water or allowed to air dry to remove all residues.

### SAFETY CONSIDERATION

PERACLEAN® 15 is a hazardous material. It is a corrosive material that can cause eye damage and skin burns. As a result proper protective equipment must be used such as goggles and/or face shield as well as rubber gloves when diluting the material.

### PHYSICAL DESCRIPTION

- ◆ PERACLEAN® 15 is a colorless clear liquid with pungent specific odor.
- ◆ PERACLEAN® 15 is miscible with water in all proportions.
- ◆ Freezing point, °F -58
- ◆ Boiling point, °F >140 with decomposition
- ◆ Ignition point, °F > 174.2 (after ISO 2719)
- ◆ Density 20°C, g/ml 1,15
- ◆ PERACLEAN® 15 decomposes into the environmentally harmless residues water, oxygen and acetic acid after disinfection.
- ◆ Shelf Life = Two years in a sealed container
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.

Product Number	Size
B03-INH8013F1	4 - 1 GALLON CASE / 3.8 L
B03-INH8013F3	5 GALLON / 18 L
B03-INH8013F5	55 GALLON / 208 L
B03-INH8013F7	275 GAL TOTE / 1040 L

# MASONRY & ASPHALT PRODUCTS

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# Masonry & Asphalt Products

## CAL CLEAN MA-116

Cal Clean MA-116 is an aqueous acid cleaner for removal of calcium, lime, rust and other deposits. It will slowly dissolve concrete and other calcium/lime based products from surfaces. Will also work to clean up dried on dry wall dust on equipment. Cal Clean MA-116 works as an excellent pre-spray on most cleaning applications. Removes mortar off bricks. Cal Clean MA-116 can be used to clean up cement forms, cement trucks and other equipment. Do not use on brass, bronze, aluminum or allow to set on mild steel. Cal Clean MA-116 will not hurt paint or plastic.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Economical per gallon cost.
- ◆ Designed for use as a pre soak in a pump up sprayer or use with a downstream injection valve.
- ◆ Do Not run through a pressure washer.
- ◆ Hazardous, Corrosive Label.
- ◆ Use only downstream valve or separate application equipment. Do Not mix with brass, bronze, or mild steel.
- ◆ Designed for hot or cold washing. User friendly.

### APPLICATION DIRECTIONS

HEAVY= Apply directly and allow to sit for 5 minutes.

MEDIUM= 1-part Cal Clean MA-116 to 10-parts water.

LIGHT= 1-part Cal Clean MA-116 to 20-parts water.

Apply as a pre-soak or use a downstream mix ratio. Do not use with brass components.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 31%
- ◆ pH 5% Solution = 1
- ◆ Specific Gravity = 1.08
- ◆ VOC = 1 gram per liter
- ◆ Appearance = Colorless/Light Yellow Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container

Product Number	Size
B03-MAH116F3	5 GALLON / 18 L
B03-MAH116F5	55 GALLON / 208 L

**SHIPS HAZARDOUS**



# Masonry & Asphalt Products

## MASONRY CLEAN OFF MA-117



Masonry Clean Off MA-117 is an aqueous acid cleaner for removal of calcium, lime, rust and other deposits. It will slowly dissolve concrete and other calcium/lime based products from surfaces. It is a safe option for cleaning up brick mortar. Will also work to clean up dried on dry wall off equipment. Masonry Clean Off MA-117 works as an excellent pre-spray on most cleaning applications. Masonry Clean Off MA-117 is completely biodegradable. Safer product for personal use with brush or rag in cleaning brick or tile in/on homes or buildings

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-hazardous, non-corrosive.
- ◆ Economical per gallon cost.
- ◆ Designed for use as a pre soak in a pump up sprayer or use with a downstream injection valve.
- ◆ Designed for hot or cold washing. User friendly.

### APPLICATION DIRECTIONS

HEAVY= Apply directly and allow to sit for 5 minutes.

MEDIUM= 1-part Masonry Clean Off MA-117 to 5-parts water.

LIGHT= 1-part Masonry Clean Off MA-117 to 10-parts water.

Apply as a pre-soak or use a downstream mix ratio.

Do not use with brass components.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 9%
- ◆ pH 5% Solution = 3-4
- ◆ Specific Gravity = 1.08
- ◆ VOC = 2 gram per liter
- ◆ Appearance = Dark Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container

Product Number	Size
B03-MAH117F3	5 GALLON / 18 L
B03-MAH117F5	55 GALLON / 208 L

# Masonry & Asphalt Products

## CRETE CLEAN DE-732

Crete Clean DE-732 is a highly concentrated powder detergent used to clean and degrease bricks, stone, mortar, concrete, masonry etc. Crete Clean DE-732 is a non-etching non-acidic cleaner. Perfect for preparing concrete prior to painting. A balanced blend of silicates, phosphates and carbonates provides enough power for heavy duty cleaning while remaining user friendly. It can be used with a brush or in spray form. Excellent cleaner for floors in food processing facilities

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-corrosive, non-caustic, non-hazardous.
- ◆ Blended with the specific selection of surfactant to quickly attack and break down the dirt stains on aluminum and polished aluminum.
- ◆ Use in a floor scrubber as an organic degreaser @ a rate of 2 to 4 ounces per gallon of water.
- ◆ Economical per gallon cost.
- ◆ Designed specifically for brush or spray form.
- ◆ Designed for hot or cold washing. Exclusive dispersion and water softening package to aid in hard water conditions. Removes mud, dirt, mortar etc. without damage to the surface texture.

### APPLICATION DIRECTIONS

Wet down the area to be cleaned, sprinkle with Crete Clean-DE-732 liberally, and let stand for 5-10 minutes depending on the severity of the soil. Rub hard with a brush. Crete Clean-DE-732 was also made to be used in floor scrubber machines, mix 1 to 5 ounces per gallon. Rinse surfaces thoroughly after cleaning with clear, soft, cool water.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 100%
- ◆ pH 5% Solution = 12.2
- ◆ Specific Gravity = 1
- ◆ VOC = 1 gram per liter
- ◆ Appearance = Green Powder
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container USDA
- ◆ Letter of Guarantee = Available

Product Number	Size
B03-DEH532F3	50 #S / 22 KG

# Masonry & Asphalt Products

## ASPHALT & TAR REMOVER DE-776

Asphalt & Tar Remover DE-776 is a specifically formulated detergent used for removal of tar, asphalt, tree sap, adhesive residues, oil field tars and greases. This product is able to be flushed away with water. For use on asphalt/tar trucks, oil field equipment, heavy duty road equipment, painted and plastic surfaces. Easily applied with spray or brush. To use, allow the detergent to sit and penetrate then flush with high pressure rinse.

### PRODUCT HIGHLIGHTS

- ◆ Economical per gallon cost.
- ◆ Asphalt & Tar Remover DE-776 can be diluted with up to 3 parts of diesel fuel.
- ◆ Many asphalt paving companies love the heavy duty, quick acting performance on the heaviest of build-up.
- ◆ Asphalt & Tar Remover DE-776 is a non-corrosive product that makes it environmentally friendly and provides maximum user and equipment safety.
- ◆ Product will float on water.
- ◆ Collect and investigate as a fuel in a waste oil furnace. This can eliminate expensive disposal costs and any potential hazardous wastewater.
- ◆ This product can be removed with an oily water separator or skimmed off the surface of a holding reservoir.
- ◆ Works well in hard or soft water.

### APPLICATION DIRECTIONS

Use Asphalt & Tar Remover DE-776 undiluted. May be applied using a pump up sprayer or brushed on or wiped on. After applying, allow to penetrate the asphalt. Wipe off or pressure rinse with water.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 100%
- ◆ pH 5% Solution = 6 - 9
- ◆ Specific Gravity = .82
- ◆ VOC = 779 grams per liter
- ◆ Flash Point = >121° F
- ◆ Appearance = Clear Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container

Product Number	Size
B03-DEZ776F3	5 GALLON / 18 L
B03-DEZ776F5	55 GALLON / 208 L

# Masonry & Asphalt Products

## BIO ASPHALT REMOVER MA-599

Bio Asphalt Remover MA-599 is a specifically formulated detergent used for removal of tar, asphalt, tree sap, adhesive residues, oil field tars and greases. This product is able to be flushed away with water. For use on asphalt/tar trucks, oil field equipment, heavy duty road equipment, painted and plastic surfaces. Easily applied with spray or brush. To use, allow the detergent to sit and penetrate then flush with high pressure rinse. Bio Asphalt Remover MA-599 is a nontoxic, user friendly readily biodegradable environmentally friendly detergent. This product is 100% active. Safe to use on all metals, plastic and concrete surfaces.

### PRODUCT HIGHLIGHTS

- ◆ Fully Biodegradable.
- ◆ Non-hazardous, No chlorinated solvents.
- ◆ Economical per gallon cost.
- ◆ Bio Asphalt Remover MA-599 is the environmentally responsible choice to replace diesel fuel on the job site along that highway or near a water way.
- ◆ Many asphalt paving companies love the heavy duty, quick acting performance on the heaviest of build-up.
- ◆ Meets DOT specs in many states.
- ◆ Bio Asphalt Remover MA-599 is a non-corrosive product that makes it environmentally friendly and provides maximum user and equipment safety.
- ◆ Is a heavily soy based formula.
- ◆ Collect and investigate as a fuel in a waste oil furnace. This can eliminate expensive disposal costs and any potential hazardous wastewater.
- ◆ This product can be removed with an oily water separator or skimmed off the surface of a holding reservoir.
- ◆ Works well in hard or soft water.

### APPLICATION DIRECTIONS

Use Bio Asphalt Remover MA-599 undiluted. May be applied using a sprayer, pump up sprayer or with a cloth. After applying, allow to penetrate the asphalt. Wipe off or pressure rinse with water.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 100%
- ◆ pH 5% Solution = 6-9
- ◆ Specific Gravity = .85
- ◆ VOC = <23 grams per liter
- ◆ Flash Point = >154° F
- ◆ Appearance = Light Yellow Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container

Product Number	Size
B03-MAH599F3	5 GALLON / 18 L
B03-MAH599F5	55 GALLON / 208 L
B03-MAH599F8	275 GAL TOTE / 1040 L

# Masonry & Asphalt Products

## ASPHALT RELEASE MA-210

Asphalt Release MA-210 is a specifically formulated acidic detergent agent used for the release of tar, asphalt, adhesive residues, oil field tars and greases from transportation trucks & trailers. Easily applied with spray Asphalt Release MA-210 is a nontoxic, user friendly readily biodegradable environmentally friendly detergent. Safe to use on all metals, plastic and concrete surfaces.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-hazardous, No chlorinated solvents.
- ◆ Formulated with biodegradable surfactants and petroleum distillates.
- ◆ Economical per gallon cost.
- ◆ Asphalt Release MA-210 is a noncorrosive product that makes it environmentally friendly and provides maximum user and equipment safety.
- ◆ Works well in hard or soft water.

### APPLICATION DIRECTIONS

Dilute 1-part Asphalt Release MA-210 to 5-parts water. Apply to a clean truck or trailer box using a low pressure spray bar or wand. Cover the bottom and sides of the box prior to filling with raw asphalt. For best results, apply before each load.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 100%
- ◆ pH 5% Solution = 2 - 4
- ◆ Specific Gravity = 1.08
- ◆ VOC = <2 grams per liter
- ◆ Flash Point = > 212° F
- ◆ Appearance = Tan Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container

Product Number	Size
B03-MAH210F5	55 GALLON / 208 L
B03-MAH210F8	275 GALLON / 1040 L / 1040L

# PARTS WASHER

APW LUMA STRIP PW-1034	50
APW ANTIRUST PW-1018	51
APW PHOSTIGHT PW-1024	52
APW PRO CLEAN PW-1031	53
D-FOAM PW-1052	54
HD-80 PW-1061	55
APW-229 PW-1086	56
APW PRO WHITE PW-1000	57



# Parts Washer / Inline Washers

## APW LUMA STRIP PW-1034

APW Luma Strip PW-1034 is an alkaline biodegradable detergent. It is for use in parts washers or dip tanks to clean light/heavy duty aluminum and alloys. It will also clean brass stainless steel, copper, and plastic resin. APW Luma Strip PW-1034 is a non-abrasive cleaner to clean up greases, oils, carbonaceous soils, and other difficult cleaning applications. APW Luma Strip PW-1034 is formulated to be a low-foaming, rust inhibitor, non-staining, or etching surface cleaner. APW Luma Strip PW-1034 helps prevent build-up in the lines of equipment. Its sustained cleaning power makes it very economical. Because high heat is not required, it helps reduce the heating costs of your cleaning.

### PRODUCT HIGHLIGHTS

- ◆ Non-corrosive, non-hazardous.
- ◆ Designed specifically for use in Soak tanks & automatic/ manual parts washers.
- ◆ Contains defoamer to help parts washer foam issues. The defoamer is alkaline stable.
- ◆ Economical per gallon cost.
- ◆ Good for cleaning metals, painted parts, plastic, stainless steel, aluminum & brass.
- ◆ Prevents flash rusting & helps prevent darkening of brass parts.

### APPLICATION DIRECTIONS

Heavy: 1 part APW Luma Strip PW-1034 to 5-10 parts water.

Medium: 1 part APW Luma Strip PW-1034 to 20-30 parts water

Light: 1 part APW Luma Strip PW-1034 to 40-50 parts water

APW Luma Strip PW-1034 can work in cold water applications of 120-170 degrees Fahrenheit.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 50%
- ◆ pH 5% Solution = 11.2
- ◆ Specific Gravity = 1.00
- ◆ VOC = <1 gram per liter
- ◆ Appearance = Reddish/Brown Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ Does ship UPS

Product Number	Size
B03-PWH534F3	5 GALLON / 18 L
B03-PWH534F5	55 GALLON / 208 L

# Parts Washer / Inline Washers

## APW ANTIRUST PW-1018

APW Antirust PW-1018 is an excellent rust and corrosion inhibitor when used in water and rinse water. APW Antirust PW-1018 contains an exclusive low solids formulation that protects but remains invisible. It is highly economical because it can be highly diluted. APW Antirust PW-1018 is compatible with alkaline detergents. You will have an unmatched performance when used with APW PW-1000, APW PW-1031, or APW 229. Protects in both water and vapor phase. Tip & Measure container provides easy measuring of the small weekly additions.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-corrosive, non-hazardous, no chlorinated solvents.
- ◆ Gives protection where it is needed.
- ◆ Economical per gallon cost.
- ◆ Designed specifically for parts washers.
- ◆ Non-foaming formulation.
- ◆ Designed to protect automatic parts washers and the items being cleaned within them.
- ◆ Cleaned parts don't rust or corrode when left in the APW Antirust PW-1018 after the cleaning cycle. Helps prevent rust from occurring as a stand alone product.
- ◆ Newest corrosion inhibitors to protect equipment and prevent flash rusting.
- ◆ Exclusively protects machine and parts at the same time.

### APPLICATION DIRECTIONS

Dilute 1 part APW Antirust PW-1018 to 100 parts of water in the initial charge. Then add 10% of initial charge volume per week, as it goes out with the steam.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 20%
- ◆ pH 5% Solution = 10
- ◆ Specific Gravity = 1.00
- ◆ VOC = 1 gram per liter
- ◆ Flash Point = >200° F
- ◆ Appearance = Brownish Pink Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-PWH518F1	4x1 Gal. CS / 4x3.8 L
B03-PWH518F3	5 GALLON / 18 L
B03-PWH518F5	55 GALLON / 208 L

# Parts Washer- Automatic & Manual

## APW PHOSTIGHT PW-1024

APW Phostight PW-1024 is used in cleaning parts and phosphatizing them before they are painted. Anyone that paints is a potential phosphatizer customer. APW Phostight PW-1024 works through an in-line washer or in an automatic parts washer. APW Phostight PW-1024 contains our exclusive blend of de-foamers to prolong the working life in an automatic parts washer bath. It is used as a wash application, and also an iron phosphate coating. It works to assure paint adhesion as well as corrosion resistance. APW Phostight PW-1024 helps passivate the metal surface.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-corrosive, non-hazardous, no chlorinated solvents.
- ◆ Working as a cleaner and phosphatizer at the same time.
- ◆ Economical per gallon cost.
- ◆ Designed specifically for automatic parts washers and pressure washers.
- ◆ Designed for hot or cold washing.
- ◆ Exclusive water softening package to aid in hard water conditions.
- ◆ Works well in hard or soft water.
- ◆ Newest corrosion inhibitors to protect equipment and prevent flash rusting.

### APPLICATION DIRECTIONS

Heavy: 1-part APW Phostight-PW-1024 to 30-parts water.

Medium: 1-part APW Phostight-PW-1024 to 60-parts water.

Light: 1-part APW Phostight-PW-1024 to 100-parts water.

Works best if used in temperatures of 120-180 degrees Fahrenheit. For more difficult soil increase the amount of APW Phostight-PW-1024 accordingly.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 19%
- ◆ pH 5% Solution = 3.2
- ◆ Specific Gravity = 1.08
- ◆ VOC = 22 grams per liter
- ◆ Flash Point = >200° F
- ◆ Appearance = Clear Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container

Product Number	Size
B03-PWH52401	KIT
B03-PWH524F3	5 GALLON / 18 L
B03-PWH524F5	55 GALLON / 208 L

# Parts Washer- Automatic & Manual

## APW PRO CLEAN PW-1031

APW Pro Clean PW-1031 is an alkaline, fully biodegradable parts washer/all purpose detergent. APW Pro Clean PW-1031 is made specifically for use in automatic parts washers and soak tank applications. APW Pro Clean PW-1031 contains a heavy duty de-foamer package to eliminate foaming and contains no chelating agents. Works well in cleaning steel, brass, aluminum iron, plastics and painted surfaces. APW Pro Clean PW-1031 works extremely well as an industrial floor cleaner through floor scrubbers. APW Pro Clean PW-1031 contains a multi-metal rust and corrosion inhibitor package. This synergistic blend of ingredients protect virtually all metals except galvanized. An invisible anti-corrosion shield gives months of indoor corrosion protections when used in a non-rinsing automatic parts washer.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-corrosive, non-hazardous, no chlorinated solvents.
- ◆ Blended with the specific selection of surfactant to quickly attack and break down the dirt stains on aluminum and polished aluminum.
- ◆ Good for removing grease, grimes and soils.
- ◆ Economical per gallon cost.
- ◆ Works well in hard or soft water.
- ◆ De-foaming agents and rinse aids prolong cleaning life and make additional expensive de-foamers unnecessary in most applications.
- ◆ Designed for automatic parts washers, soak tanks/floor scrubbers.
- ◆ Designed for hot or cold washing. Exclusive water softening package to aid in hard water conditions.

### APPLICATION DIRECTIONS

Heavy: 1 part APW Pro Clean PW-1031 to 5-10 parts water.

Medium: 1 part APW Pro Clean PW-1031 to 20-30 parts water.

Light: 1 part APW Pro Clean PW-1031 to 40-50 parts water.

It is best to use in 140-180 degrees Fahrenheit. Depending on the severity, adjust the detergent accordingly. For floor scrubbing use 1 part APW Pro Clean PW-1031 to 60-100 parts water.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 17%
- ◆ pH 5% Solution = 12.0
- ◆ Specific Gravity = 1.15
- ◆ VOC = <1 gram per liter
- ◆ Flash Point = >200° F
- ◆ Appearance = Tan Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container

Product Number	Size
B03-PWH53101	KIT
B03-PWH531F3	5 GALLON / 18 L
B03-PWH531F5	55 GALLON / 208 L

# Parts Washer

## D-FOAM PW-1052

D-Foam PW-1052 is an environmentally friendly de-foamer used where low foaming is important. It can be used to clear out foam in parts washers or any other equipment you may be having a foam problem with. D-Foam PW-1052 is alkaline and acid stable and gives long lasting performances in parts washers. Ideal for APW's used in food processing areas. Non toxic. Does not interfere with iron phosphate coating formulations

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-corrosive, non-hazardous.
- ◆ May be used prior to waste water discharge.
- ◆ Economical per gallon cost.

### APPLICATION DIRECTIONS

Depending on the amount of foaming use anywhere from 2-4 ounces at a time as needed to reduce the foam levels. Use more if the level will not go down as far as you want. Add D-Foam PW-1052 accordingly to manage amount of foam present

- ◆ Designed specifically for parts washers.
- ◆ Designed to work well in warm or hot water.
- ◆ Works well with alkaline and/or acid based detergents.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 40%
- ◆ pH 5% Solution = 7-8
- ◆ Specific Gravity = 1.01
- ◆ VOC = 1 gram per liter
- ◆ Flash Point = >212° F
- ◆ Appearance = White Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Freeze / thaw stable
- ◆ Hard Water = Softens and is soluble
- ◆ Shelf Life = 2 Years in a sealed container
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-PWH552F1	4x1 Gal. CS / 4x3.8 L
B03-PWH552F3	5 GALLON / 18 L
B03-PWH552F5	55 GALLON / 208 L

# Parts Washer

## HD-80 PW-1061

HD-80 PW-1061 is a heavy duty caustic cleaner for use on the toughest cleaning applications. Great for cleaning dryers in paper mills, screens in corn milling, and other heavy carbon build ups. May also be used for pH adjustment in wastewater or to neutralize acid spills. Removes heavy baked on carbon deposits. Undiluted it can strip paint and polyester powder coatings. Best used in a dip tank or inline parts washer application.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable, Corrosive label.
- ◆ Comes in an easy to use powder.
- ◆ Economical per gallon cost to mix on site.
- ◆ HD-80 PW-1061 is an excellent smokehouse or other heavy carbon soil cleaner.
- ◆ Not for use on cars, trucks, aluminum, painted surfaces or galvanized metals.
- ◆ May be used for supplemental pH adjustment in wastewater applications or neutralization of acid spills.
- ◆ Effective in hard or soft water.
- ◆ May be used in stage 1 of an in-line washer as an alkaline cleaner or to etched aluminum.

### APPLICATION DIRECTIONS

Heavy: 6-8 oz HD-80 PW-1061 solution per 1 gallon water

Medium: 3-5 oz HD-80 PW-1061 solution per 1 gallon water

Light: 1-2 oz HD-80 PW-1061 solution per 1 gallon water

Mix 1/3 #. HD-80 PW-1061 per gallon of water.

Adjust the mix ratio to cleaning desired according to severity of soil. For challenging soils you may need to increase the amount of HD-80 PW-1061 added to water. It is best to clean from the bottom up and rinse from the top down. Rinse thoroughly after cleaning with cool, clear, soft, potable water.

**DISSOLVE CAREFULLY IN COLD WATER!**

Add HD-80 PW-1061 to water NEVER the reverse.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 100%
- ◆ pH 5% Solution = 13
- ◆ VOC = 1 gram per liter
- ◆ Flash Point = > 212° F
- ◆ Appearance = White Powder
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-PWH561F2	50 #S / 22 KG

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# Parts Washer / Inline Washers

## APW-229 PW-1086

APW-229 PW-1086 is a completely biodegradable non-caustic, butyl free heavy duty alkaline detergent. APW-229 PW-1086 is for use in automatic parts washers and soak tanks. Contains natural citrus degreaser for heavy duty cleaning and degreasing of all metals. APW-229 PW-1086 is non-foaming. APW-229 PW-1086 is completely biodegradable.

### PRODUCT HIGHLIGHTS

- ◆ Designed specifically for use in soak tanks & automatic/ manual parts washers.
- ◆ Non-hazardous.
- ◆ Contains defoamer to help parts washer foam issues.
- ◆ The defoamer is alkaline stable.
- ◆ Economical per gallon cost.
- ◆ Good for cleaning metals, painted parts, plastic, stainless steel, aluminum & brass.
- ◆ Prevents flash rusting & helps prevent darkening of brass parts.

### APPLICATION DIRECTIONS

Heavy: 5+ oz APW-229 solution per 1 gallon water

Medium: 3-4 oz APW-229 solution per 1 gallon water

Light: 1-2 oz APW-229 solution per 1 gallon water

Works best if used in soft water with temperatures of 140-180 degrees Fahrenheit. For stubborn soils you may need to increase the amount of APW-229 PW-1086

### PHYSICAL DESCRIPTION

- ◆ 100% Active Ingredients
- ◆ pH 5% Solution = 12.4
- ◆ Specific Gravity = 1.00
- ◆ VOC = 3 grams per liter
- ◆ Appearance = White Powder
- ◆ Freeze / thaw stable
- ◆ USDA Letter of Guarantee - Available
- ◆ Shelf Life = Two years in a sealed container.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.

Product Number	Size
B03-PWH586F2	40# PAIL / 22 KG
B03-PWH586F4	100# DRUM / 45 KG
B03-PWH586F5	450# DRUM / 204 KG

# Parts Washer

## APW PRO WHITE PW-1000



APW Pro White PW-1000 is an environmentally friendly “green” detergent used in water based cleaning. It removes soils, greases, oils etc. Contains no heavy metal chelating agents. APW Pro White PW-1000 helps prevent heavy metals from dissolving and creating a hazardous waste. The surfactant/solvent blend is readily biodegradable and quickly releases removed oil and greases for skimming. APW Pro White PW-1000 contains several percent by weight of our exclusive de-foamer blend which helps save money over the life of the detergent.

### PRODUCT HIGHLIGHTS

- ◆ Cleans metals, paints, plastics, stainless steel, brass and aluminum.
- ◆ Economical per gallon cost.
- ◆ Designed specifically for parts washers.
- ◆ For use as a stage 1 alkaline cleaner in an in-line washer.
- ◆ For use as a low foaming alkaline cleaner for fat & grease removal in a food processing plant.
- ◆ Designed to work well in cold or hot water.
- ◆ Contains several per-cent by weight of de-foamer to help with Parts Washer foaming problems.
- ◆ De-foamers are alkaline stable and highly effective.
- ◆ Newest corrosion inhibitors to protect equipment and prevent flash rusting.

### APPLICATION DIRECTIONS

Heavy: 1# APW Pro White PW-1000 per 4 gallons of water

Medium: 1# APW Pro White PW-1000 per 8 gallons of water

Light: 1# APW Pro White PW-1000 per 16 gallons of water

Works best if used in soft water with temperatures of 140-180 degrees Fahrenheit. For stubborn soils you may need to increase the amount of APW Pro White PW-1000.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 100%
- ◆ pH 4% Solution = 12.4
- ◆ Specific Gravity = 1
- ◆ VOC = 2 grams per liter
- ◆ Appearance = White Powder
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-PWH500F1	4x10 CASE / 4x4.5 KG
B03-PWH500F2	40# PAIL / 18 KG
B03-PWH500F3	50# BOX / 22 KG
B03-PWH500F5	450# DRUM / 204 KG

# RESIDENTIAL

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# Residential

## HYDROCLEAN RX RA-252

HydroClean Rx RA-252 is a biodegradable cleaning and bleaching agent for use in removing weathered stains from wood decking, fencing, siding, concrete, and stucco. Can also be used as a general cleaning agent for bricks, landscape blocks, and firepits. HydroClean Rx RA-252 readily breaks down to oxygen, water and sodium carbonate in your wash water. When used in household applications for laundry, carpet, and upholstery it brightens colors, will not weaken fabric and prevents yellowing or darkening.

### PRODUCT HIGHLIGHTS

- ◆ Can be used as a replacement to bleach in cleaning applications
- ◆ Will act as an oxidizing agent to kill microbial growth (mold, algae, mildew, etc...)
- ◆ Is the active ingredient found in OxiClean™.
- ◆ Can be used to remove string algae in your pond No environmental hazards
- ◆ Safe to use around plants and on window screens.
- ◆ Color safe and fabric safe when used in laundry applications.
- ◆ Can be used for: mold and mildew removal, camping equipment cleaning, brick and masonry cleaning, carpet and upholstery cleaning, and many other applications.
- ◆ Effective stain removal in a broad range of water temperatures.

### APPLICATION DIRECTIONS

Mix 1 1/2# per 5 gal water. Apply using low pressure sprayer or scrub brush. Allow to sit for 10-20 minutes and rinse thoroughly with fresh water.

In laundry applications, use 2-3 oz per gal of water, allowing the solution to soak for at least 1 hour, then rinse.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 100%
- ◆ Relative Density = 0.9
- ◆ VOC = 0 grams per liter
- ◆ Appearance = White granules
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog. Hard
- ◆ Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container USDA
- ◆ Letter of Guarantee = Available

Product Number	Size
B03-RAH252F2	50# BOX
B03-RAH252F4	100# DRUM

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# Residential

# 1 STEP DECK/HOUSE CLEANER HD RA-253

1 Step Deck/House Cleaner HD RA-253 is an extremely heavy duty detergent for use on the toughest soil problems. It is effective in cleaning the heaviest of mold and mildew from siding, roofing, and gutters. Do NOT use on aluminum, polished aluminum, magnesium or galvanized metals. 1 Step Deck/House Cleaner HD RA-253 may also be used for cleaning garage floors and concrete driveways. 1 Step Deck/House Cleaner HD RA-253 is a great first step cleaner for wood decking prior to staining and/or cleaning heavily soiled composite decking and siding.

## PRODUCT HIGHLIGHTS

- ◆ CORROSIVE LABEL.
- ◆ Complete package of soil attacks that work on the worst grease, grime and carbonaceous soils.
- ◆ For use in pressure washers.
- ◆ Effective in hard or soft water.
- ◆ Works well in hot or cold water.
- ◆ Can be foamed on.
- ◆ Fully Biodegradable.
- ◆ May be used as a wood stripper to remove paint and sealer.

## APPLICATION DIRECTIONS

Adjust the mix ratio according to your cleaning application or severity. It is best to clean from the bottom up and rinse from the top down. Rinse surfaces thoroughly after cleaning with clear, cool, soft water.

Apply with low pressure sprayer.

May turn wood deck a darker color. Use Wood Refresh RA-250 to return wood to original color.

## PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 17%
- ◆ pH 5% Solution = 12.4
- ◆ Specific Gravity = 1.15
- ◆ VOC = 11 grams per liter
- ◆ Appearance = Amber Liquid
- ◆ Shelf Life = Two years in a sealed container.
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Scale Preventer = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-RAH25301	KIT
B03-RAH253F3	5 GALLON / 18 L
B03-RAH253F5	55 GALLON / 208 L

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# Residential

## GRAFFITI ERADICATOR RA-248

Graffiti Eradicator RA-248 is a high alkaline cleaner with a proprietary blend of penetrating agents that will remove the most difficult of graffiti markings from masonry surfaces. Contains no acids, phosphates, methylene chloride, or carcinogens. Graffiti Eradicator RA-248 completely removes graffiti markings caused by aerosol latex or enamel spray paints, as well as acrylics and traffic line coatings. Penetrates to soften unsightly graffiti which may then be easily removed with a hot or cold pressure washer. Perfect for use by public works, school systems, mass transit authorities, park and rec departments, and many others.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Corrosive Label, Non-Flammable.
- ◆ Do not use on Lexan or plastics including vinyl.
- ◆ Economical per gallon cost.
- ◆ Effective in hard or soft water.
- ◆ Do not use on aluminum or painted metal.
- ◆ Applications include: Masonry walls, floors, brick, cinder block, concrete, granite, marble, slate, and more.

### APPLICATION DIRECTIONS

Apply full strength using a low pressure sprayer or brush or roller. Allow to remain on the surface for up to 5 to 15 minutes. Rinse off with a hot or cold pressure washer.

Always pre-test in small area.

1 gal covers up to 400 sq ft depending on porosity of the surface.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 31%
- ◆ pH 5% Solution = 11.8
- ◆ Specific Gravity = 1.17
- ◆ VOC = 1 gram per liter
- ◆ Flash Point = > 212° F.
- ◆ Appearance = Dark Amber Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-RAH248F2	4x1 GALLON CASE
B03-RAH248F3	5 GALLON / 18 L
B03-RAH248F5	55 GALLON / 208 L

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# Residential

## GRAFFITI ERASER RA-247

Graffiti Eraser RA-247 removes graffiti markings caused by permanent markers, inks, spray paints, and adhesives, removes graffiti from smooth painted surfaces and will not harm or damage most plastic. Graffiti Eraser RA-247 is a water rinsable blend of biodegradable components. It is easy and safe to use on: School lockers, in public restrooms, on cars, trucks, buses and trains, and other painted surfaces. Contains no acids, phosphates, methylene chloride, or carcinogens. Graffiti Eraser RA-247 completely removes graffiti markings caused by aerosol latex or enamel paint sprays, as well as acrylics and traffic line coatings. Penetrates to soften unsightly graffiti which may then be easily removed by wiping with a rag or using a pressure washer. Perfect for use by rail yards, trucking companies, parcel post companies, public works, school systems, mass transit authorities, parks and rec departments, housing authorities, facility management companies, and many others.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-Flammable.
- ◆ Ready to use, no pre-mixing necessary.
- ◆ Economical per gallon cost.
- ◆ Effective in hard or soft water.
- ◆ Contains no Phosphates.
- ◆ Applications include: Doors, fences, siding, lockers, cars and trucks, bathrooms, playgrounds, signs, other painted metal surfaces (industrial equipment and rail cars).
- ◆ Spray on, wipe away.

### APPLICATION DIRECTIONS

Apply full strength using a low pressure sprayer or brush or roller. Allow to remain on the surface for 20 seconds to 2 minutes. Wipe away with towel/rag or rinse off with a hot or cold pressure washer. Multiple applications may be needed.

Always pre-test in small area.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 20%
- ◆ pH 5% Solution = 11.4
- ◆ Specific Gravity = 0.99
- ◆ VOC = 1 gram per liter
- ◆ Flash Point= >200oF
- ◆ Appearance = Amber Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container

Product Number	Size
B03-RAH247F2	4x1 Gal Case
B03-RAH247F3	5 GALLON / 18 L
B03-RAH247F5	55 GALLON / 208 L

# Residential HOUSE & SIDING AP-1114



House & Siding AP-1114 is a biodegradable industrial detergent made to clean a variety of things including, vinyl siding, composite decking, farm equipment, cars, trucks and for other light industrial cleaning applications. Is an excellent cleaner in food service institutions. Safe to use on virtually all painted, plastic and metal surfaces. A low sudsing general purpose detergent. Safe for use on house & deck washing applications.

## PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-corrosive, non-hazardous, non-caustic.
- ◆ Blended with the specific selection of surfactants to quickly attack and break down the dirt stains.
- ◆ Will not harm aluminum and polished aluminum.
- ◆ Economical per gallon cost.
- ◆ Designed specifically for pressure washers.
- ◆ Designed for hot or cold washing.
- ◆ Exclusive dispersion and water softening package to aid in hard water conditions.
- ◆ Works well in hard or soft water.
- ◆ House & Siding AP-1114 is a great all-purpose/general cleaner.
- ◆ Safe to use around exterior house plants
- ◆ Will not damage vinyl siding

## APPLICATION DIRECTIONS

Adjust the mix ratio according to your cleaning application or severity. It is best to clean from the bottom up and rinse from the top down. Rinse surfaces thoroughly after cleaning with clear, cool, soft water.

## PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 10%
- ◆ pH 5% Solution = 11.4
- ◆ Specific Gravity = 1.02
- ◆ VOC = 3 grams per liter
- ◆ Appearance = Red Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-APH51401	KIT
B03-APH 51405	8-PK KIT
B03-APH 514F3	5 GALLON / 18 L
B03-APH 514F5	55 GALLON / 208 L

# Residential

## SPRAY AWAY AP RA-249

Spray Away AP RA-249 is a fully biodegradable chlorinated detergent/cleaner for use in cleaning up algae, mold, and mildew on siding or decking. Spray Away AP RA-249 discourages the return of mildew, moss, and algae on cement, slate, stone, and brick. Always rinse thoroughly with potable water after cleaning the surface. Spray Away AP RA-249 contains rinse aids, butyl for enhanced degreasing and an inhibited chlorine based oxidizer for safe but outstanding detergent performance.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-corrosive, non-caustic, non-hazardous.
- ◆ Blended with the specific selection of surfactants to quickly attack and break down the dirt stains on hard surfaces.
- ◆ Economical per gallon cost. Inexpensive to buy and high dilution ratio while still providing excellent cleaning results.
- ◆ Inhibited chlorine to prevent vinyl degradation.
- ◆ Designed specifically for pressure washers.
- ◆ Can also be used as a pre-spray or foamed on surfaces.
- ◆ Designed for hot or cold washing.
- ◆ Exclusive dispersion and water softening package to aid in hard water conditions.
- ◆ Works well in hard or soft water.

### APPLICATION DIRECTIONS

Spray Away AP RA-249 is best at a dilution of 1:20. Spray Away AP RA-249 can be foamed on or used with low pressure sprayer. Occasional brushing may be necessary. Adjust the mix ratio according to your cleaning application. It is best to clean from the bottom up and rinse from the top down. Rinse surfaces with clear, cool, soft, potable water.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 10%
- ◆ pH 5% Solution = 10.7
- ◆ Specific Gravity = 1.03
- ◆ VOC = 18 grams per liter
- ◆ Appearance = Clear/Light Yellow Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-RAH249F3	5 GALLON / 18 L
B03-RAH249F5	55 GALLON / 208 L

# Residential

## VINYL REJUVINATOR RA-251

Vinyl Rejuvenator RA-251 is a unique blend of surfactants, alcohols, and natural citrus byproduct. It is a quick release readily biodegradable, environmentally friendly detergent. A mild detergent, that is safe to use on metal and/or asphalt roofing, gutters, decks, sidewalks, driveways and house siding. Vinyl Rejuvenator RA-251 will not harm windows or trim. Safe for use around exterior house plants and shrubs when used as directed. Helps restore and renew old oxidized paint and vinyl surfaces. Vinyl Rejuvenator RA-251 is a highly economical general purpose cleaner.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-corrosive, non-caustic.
- ◆ Blended with a specific selection of surfactants to quickly attack and break down the dirt stains on vinyl and composite siding.
- ◆ APEO FREE of phosphates.
- ◆ Designed specifically for pressure washers or hand scrubbing.
- ◆ Economical per gallon cost.
- ◆ Designed for hot or cold washing with an exclusive dispersion and water softening package to aid in hard water conditions.
- ◆ Works well in hard or soft water.
- ◆ A truly anywhere/everywhere detergent.
- ◆ User friendly.
- ◆ For use on houses, storage units, machine sheds, etc.
- ◆ Economical per gallon cost.

### APPLICATION DIRECTIONS

Adjust the mix ratio according to your cleaning application or severity. It is best to clean from the bottom up and rinse from the top down. Rinse surfaces thoroughly after cleaning with clear, cool, soft water.

Commonly applied 1:20 for vinyl washing.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 11%
- ◆ pH 5% Solution = 11.7
- ◆ Specific Gravity = 1.03
- ◆ VOC = 1 gram per liter
- ◆ Flash Point = >212° F
- ◆ Appearance = Clear Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container

Product Number	Size
B03-RAH25101	KIT
B03-RAH251F3	5 GALLON / 18L
B03-RAH251F5	55 GALLON / 208 L

# Residential

## WOOD REFRESH RA-250

Wood Refresh RA-250 is a widely used powder that may be mixed to form a variety of liquid solutions to serve as a wood bleach agent. Wood Refresh RA-250 will remove water and rust stains without removing the natural color of the wood. It is a specialty blend of organic acids and wetting agents.

### PRODUCT HIGHLIGHTS

- ◆ Fully Biodegradable.
- ◆ Economical cost per gallon.
- ◆ Highly concentrated powder.
- ◆ Can be used for preparation on hardwood floors.
- ◆ May also be used on unfinished solid wood furniture to remove stains and spots.
- ◆ Ships UPS.
- ◆ Great for preparing wood prior to staining.
- ◆ Will lighten the grain effect of weather exposed woods.

### APPLICATION DIRECTIONS

Mix 1 part Wood Refresh RA-250 to 6 parts water.  
Example: 1.5# / 5 gal water, or 12-16 oz / 1 gal water.

Apply mixture to wood deck or siding using a brush or sprayer. Use brush for all stains. Allow product to dry.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 100%
- ◆ Density = 1# per 1 gal water
- ◆ VOC = 0 grams per liter
- ◆ Melting Point = >212° F
- ◆ Appearance = White Powder
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-RAH250F2	50# BOX
B03-RAH250F4	100# DRUM

# SPECIALTY ADDITIVES

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# Specialty Additives

## NO SCALE SD-927

No Scale SD-927 is a non hazardous bridgeable additive for use in hot water pressure washers and heaters. No Scale SD-927 helps prevent hard water scale build-up in coils and leaves a protective coating. Each small container (< 1-#.) treats up to 20,000 gallons of water. All ingredients are on the Food and Drug Administration Generally Recognized As Safe (GRAS) list.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-corrosive, non-hazardous, non-caustic.
- ◆ Keeps calcium, magnesium, iron, manganese and other harmful minerals in suspension.
- ◆ Economical per gallon cost. Each small container treats up to 20,000 gallons of water.
- ◆ Designed specifically for hot water pressures and heaters.
- ◆ Designed to work well in hot or cold water.
- ◆ User friendly.
- ◆ Contains a heavy concentration of scale preventing agents.

### APPLICATION DIRECTIONS

No Scale SD-927 is a non-hazardous scale preventative Compound for use in hot water pressure washers and Heaters Each containers treats up to 20,000 gallons of water.

**DIRECTIONS:** Remove tape and expose dispenser holes in float tank Keep away from float Valve. Not for use on potable water

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 100%
- ◆ pH 5% Solution = 6-7
- ◆ Specific Gravity = 2
- ◆ VOC = 0 grams per liter
- ◆ Appearance = Translucent gel
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-SDH527F1	10 PK

# Specialty Additives

## CHERRY SCENT TS-684

Cherry Scent TS-684 is a completely biodegradable aroma agent. It's highly concentrated blend of essential oils built for use in industrial detergents. Cherry Scent TS-684 is highly concentrated and can be used at high dilution ratios. Safe to use on aluminum, stainless steel, glass, plastic, paint and most other applications. Cherry Scent TS-684 as a way to improve the odor profile of your finished product during application. Cherry Scent TS-684 can also be used to absorb nuisance odors in garbage trucks, sewer pits, rendering plants, standing water ponds, and etc...

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable, non-corrosive.
- ◆ Flammable.
- ◆ Can also be used to absorb nuisance odors.
- ◆ Can be atomized and used in industrial applications such as garbage trucks, sewer pits, rendering plants, wastewater ponds, etc...

### APPLICATION DIRECTIONS

Add 2-3 ounces of Cherry Scent TS-684 per 55 gallons of finished product for a light cherry scent during application. Apply accordingly to get strength of smell preferred.

For treatment of nuisance odors, add 14-18 oz per 55 gal of water and apply with a lower pressure sprayer.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 94%
- ◆ pH 5% Solution = 7 - 9
- ◆ Specific Gravity = 1.02
- ◆ VOC = 78 grams per liter
- ◆ Flash Point = > 212° F
- ◆ Appearance = Clear Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Hard Water = Is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ DOES NOT Ship UPS

Product Number	Size
B03-TSH384F1	4 - 1 GALLON CASE / 4 - 3.8 L

**SHIPS HAZARDOUS**



# Specialty Additives

## MORE FOAM TS-617

More Foam TS-617 is a special blend of wetting agents to help create high levels of foam when desired. More Foam TS-617 is a fully biodegradable detergent for use in foaming brush applications and as a foam/detergency booster when used as an additive with your detergent. Safe for use on all surfaces. Has a neutral pH and is very user friendly.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-hazardous.
- ◆ Highly concentrated surfactant system.
- ◆ As a foaming brush detergent dilute up to 250:1 with water.
- ◆ Designed specifically for foaming brush applications and as a foam additive.
- ◆ Use with pressure washers, pump up sprayers of in car/truck wash bays.
- ◆ Designed for hot or cold washing.
- ◆ User friendly. Exclusive dispersion and water softening package.

### APPLICATION DIRECTIONS

Depending on the amount of foam desired add 2-4 quarts of More Foam TS-617 to every 55-gallon drum of detergent.

As a foam booster use between one quart and one gallon per 55-gallon drum of detergent. Costs pennies per gallon to use.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 43%
- ◆ pH 5% Solution = 7-9
- ◆ Specific Gravity = 1.08
- ◆ VOC = 1 gram per liter
- ◆ Appearance = Tan Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-TSH517F3	5 GALLON / 18 L
B03-TSH517F5	55 GALLON / 208 L

# Specialty Additives

## COIL SCALEAWAY SD-929

Coil ScaleAway SD-929 is made to remove scale and hard water build-up in heating coils and on metal surfaces. DO NOT run through a pump, but it can be run through the coil. Formulated with a superior corrosion inhibitor package to greatly reduce acid attack to metals. Far safer than mineral acids while delivering the same performance. Excellent for cleaning coils in a hot/cold water pressure washer.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Contains 100% actives.
- ◆ Concentrated scale inhibitor package.
- ◆ Economical per gallon cost. Mix two pounds to five gallons of water and then add to coil.
- ◆ Designed specifically for running through plugged coils.
- ◆ Can also be used as a scale remover in large tanks.
- ◆ Designed to work well in hot or cold water.

### APPLICATION DIRECTIONS

Depending on the amount of scale present and the size and type of machine the dilution will vary. Start by using 2 ounces of Coil ScaleAway SD-929 to one quart of water.

Do NOT use on aluminums, stainless steel, tin or polished aluminum. Rinse thoroughly after cleaning with cool, clear, potable, soft water.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 100%
- ◆ pH 5% Solution = 1
- ◆ Specific Gravity = 2
- ◆ VOC = <1 gram per liter
- ◆ Appearance = White Powder
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Scale Preventer = Exclusive anti-scale system to clear coils.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container.

Product Number	Size
B03-SDH529F3	25# PAIL / 11 KG

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# Specialty Additives

## DEFOAM TS-623

DeFoam TS-623 is an environmentally friendly de-foamer used where low foaming is important. It can be used to clear out foam in parts washers or any other equipment you may be having a foam problem with. DeFoam TS-623 is alkaline and acid stable and gives long lasting performances in parts washers. Ideal for wastewater application in industrial or food processing settings. DeFoam TS-623 is a low level silicone de-foamer. Non toxic. Particularly effective in managing foam in industrial and/or food processing plant waste water operations.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-hazardous, non-corrosive.
- ◆ De-foamers anywhere a low foam is necessary.
- ◆ Economical per gallon cost.
- ◆ Designed specifically for parts washers.
- ◆ Designed to work well in warm or hot water.
- ◆ Alkaline and acid stable and works well with alkaline and acid based detergents.
- ◆ Economical per gallon cost.

### APPLICATION DIRECTIONS

Depending on the amount of foaming, use anywhere from 2-4 ounces at a time as needed to reduce the foam levels. Add more DeFoam TS-623 accordingly to manage foam levels.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 40%
- ◆ pH 5% Solution = 7-8
- ◆ Specific Gravity = 1.01
- ◆ VOC = 1 gram per liter
- ◆ Flash Point = >212° F
- ◆ Appearance = Opaque/White Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ USDA Letter of Guarantee = Available

Product Number	Size
B03-TSH1723F3	5 GALLON / 18 L
B03-TSH1723F5	55 GALLON / 208 L

# Specialty Additives

## RINSE AID TS-660

Rinse Aid TS-660 is a completely biodegradable rinse agent. It's highly concentrated blend of wetting agents helps provide sheeting to enhance water removal and reduce water spotting. When used as directed, it lowers the surface tension of the rinse water allowing it to dry spot free. Rinse Aid TS-660 has a long lasting surfactant system that can be used at high dilution ratios. Safe to use on aluminum, stainless steel, glass, plastic, paint and most other applications. Ideal for automotive detail shops or car washes. Rinse Aid TS-660 can be used as a standalone product or added to any Hydrus transportation products. When using as a spot free rinse combination add one quart per 55-gallons of detergent. Ask about the opportunity to add a fragrance for your needs.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-hazardous.
- ◆ Economical per gallon cost.
- ◆ As a wax additive 2000 to 1 as applied.
- ◆ Designed specifically for pressure washers and car/truck wash installations.
- ◆ Designed for hot or cold washing.
- ◆ Works well in hard or soft water

### APPLICATION DIRECTIONS

When mixing with water dilute at 500:1. Go over the entire surface with pressure spray. Use this as your final rinse. This product is self rinsing. Rinse Aid TS-660 may be added to other transportation products to aid providing that "spot free" look by adding 1 quart per 55 gal drum. Adjust volume accordingly to application need

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 24%
- ◆ pH 5% Solution = 7 - 9
- ◆ Specific Gravity = 1.02
- ◆ VOC = 0 grams per liter
- ◆ Flash Point = > 212° F
- ◆ Appearance = Clear Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ DOES Ship UPS

Product Number	Size
B03-TSH560F3	5 GALLON / 18 L
B03-TSH560F5	55 GALLON / 208 L

# SPECIALTY COATINGS

IRON PHOSTIGHT SD-919  
KATS COATING SD-958

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# Specialty Coatings

## IRON PHOSTIGHT SD-919

Iron Phostight SD-919 is used in cleaning and phosphatizing metal prior painting. Iron Phostight SD-919 may be used via a wand or in-line washer application. It works to improve paint adhesion as well as corrosion resistance. Iron Phostight SD-919 helps passivate the surface. Citrus Blast DE-721 can be added for additional cleaning and degreasing. Citrus Blast DE-721 is neutral and won't interfere with phosphatizing.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-corrosive, No chlorinated solvents.
- ◆ Working as both a cleaner and phosphatizer at the same time.
- ◆ Economical per gallon cost.
- ◆ Designed specifically for pressure washers.
- ◆ Designed for hot or cold washing.
- ◆ Exclusive dispersion and water softening package to aid in hard water conditions.
- ◆ Works well in hard or soft water.
- ◆ When applied to bare metal, Iron Phostight SD-919 may prevent flash rusting.

### APPLICATION DIRECTIONS

#### APPLICATION DIRECTIONS

Use 1 part Iron Phostight SD-919 to 50 parts water  
OR 1-2 ounces of Iron Phostight SD-919 per gallon of water.

Use a downstream Dema valve if using Iron Phostight SD-919 with a pressure washer.

Works best if used in temperatures of 120 to 180 degrees Fahrenheit. For more difficult soils, adjust the mix ratio of Iron Phostight SD-919 accordingly. It is best to clean from the bottom up and rinse from the top down. Allow Iron Phostight SD-919 to sit on the surface for 2-3 minutes. Do NOT allow to dry. Rinse surfaces thoroughly after cleaning with clear, cool, soft water.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 19%
- ◆ pH 5% Solution = 3.2
- ◆ Specific Gravity = 1.08
- ◆ VOC = 22 grams per liter
- ◆ Flash Point = >200° F
- ◆ Appearance = Clear Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container

Product Number	Size
B03-SDH51901	KIT
B03-SDH519F3	5 GALLON / 18 L
B03-SDH519F5	55 GALLON / 208 L

# Specialty Coatings

## KATS COATING SD-958

KATS Coating SD-958 is a water based synthetic acrylic copolymer coating designed to protect nonporous surfaces from abrasion and environmental damage. It is suitable for use on a wide variety of surfaces including painted components, plated metal, plastics, and glass. The coating protects from acid rain, tree sap, bird droppings, insect impact, insect secretions, abrasive dust, iron particles, etc.

### PRODUCT HIGHLIGHTS

- ◆ Zero VOC.
- ◆ Elimination of costs associated with surface damage.
- ◆ No masking (except windows, for visibility when driving).
- ◆ Low labor time and cost for application and removal.
- ◆ No plastic film to dispose of.
- ◆ Can be present up to 12 months after application.
- ◆ Nonoffensive odor.
- ◆ Contains no hazardous air pollutants.
- ◆ Biodegradable and environmentally safe.
- ◆ Typical applications include:
  - ◆ Automobiles
  - ◆ Boats / watercraft
  - ◆ Recreational vehicles, ATVs
  - ◆ Machine tools
  - ◆ Farm equipment
  - ◆ Trucks
  - ◆ Railroad cars
  - ◆ Construction equipment

### APPLICATION DIRECTIONS

Provides temporary protection for up to 12 months. KATS SD-958 can be applied using a water-compatible HVLP or conventional spray system. HVLP is recommended due to its transfer efficiency.

Ambient/Surface Temperature: 45° - 100°F

Ideal Surface Temperature: 60° - 80°F

Note: Insure the coating is dry before exposing to the elements. To minimize temperature/humidity variables, heated force drying is recommended to improve early water resistance.

Wet Film Thickness: 3 - 5 mil

Dry Film Thickness: 0.3 - 0.5 mil

Typical Coverage: 352 - 587 ft<sup>2</sup> /gal

Agitate before and during use.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 45%
- ◆ pH 5% Solution = 1.2
- ◆ Specific Gravity = 1.14
- ◆ VOC = 0 grams per liter
- ◆ Appearance = Clear Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container
- ◆ Does not ship UPS

Product Number	Size
B03-SDH5580F3	5 GALLON / 18 L
B03-SDH5580F5	55 GALLON / 208 L

# SPECIALTY AVIATION

AV WASH SD-953

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# Specialty Aviation

## AV WASH SD-953

AV Wash SD-953 is a readily biodegradable detergent formulated specifically as an aircraft exterior cleaner. AV Wash SD-953 is excellent as a cleaner for Ground Support Equipment (GSE), floors and walls. It can be diluted up to 50 to 1 with water. Safe on painted and unpainted surfaces. Ideal for cleaning salt coated surfaces, exhaust film, loose carbon, rubber marks, grease, fuel and hydraulic oil. AV Wash SD-953 is very free rinsing.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-corrosive, non-hazardous, non-caustic.
- ◆ Certified to Boeing specification BSS 7432
- ◆ Designed specifically for pressure washers.
- ◆ Designed for hot or cold washing. Exclusive dispersion and water softening package to aid in hard water conditions.
- ◆ Works well in hard or soft water.

### APPLICATION DIRECTIONS

AV Wash SD-953 can be diluted 50 to 1 through a pressure washer. Apply detergent from the bottom up, rinse from the top down.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 21%
- ◆ pH 5%. Solution = 11.5
- ◆ Specific Gravity = 1.03
- ◆ VOC = 33 grams per liter
- ◆ Flash Point = >212° F
- ◆ Appearance = Red Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Softening = Exclusive anti-scale system to prevent scale coil clogging.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container USDA
- ◆ Letter of Guarantee = Available
- ◆ DOES Ship UPS

Product Number	Size
B03-SDH55301	KIT
B03-SDH553F3	5 GALLON / 18 L
B03-SDH553F5	55 GALLON / 208 L

# SPECIALTY TRANSPORTATION

SALT DESTROYER TS-632

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SALT BLASTER TS-635

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GLOSS WAX TS-616

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# Specialty Transportation

## **SALT DESTROYER TS-632**

Salt Destroyer TS-632 is made to neutralize road salts while cleaning road grime from DOT, personal and industrial winter road equipment. Formulated with a superior corrosion inhibitor package to greatly reduce acid attack to metals. Salt Destroyer TS-632 is an organic acid blend with biodegradable surfactants to prevent attack on paint, brass, aluminum and bronze. Far safer than mineral acids while delivering the same performance.

### **PRODUCT HIGHLIGHTS**

- ◆ Fully biodegradable.
- ◆ Contains 100% actives.
- ◆ Concentrated scale inhibitor package.
- ◆ Comes in a powder for ease of use and application.
- ◆ Comes as a powder to deliver an economical per gallon cost.
- ◆ Designed specifically for neutralization of road salts.
- ◆ Can also be used as a scale remover in large tanks.
- ◆ Has properties to help with light rust removal on mild steel.
- ◆ Designed to work well in hot or cold water.

### **APPLICATION DIRECTIONS**

Start by using 1.5 pounds of Salt Destroyer TS-632 to 5 gallons of water. This solution may be applied @ 1:10 to the desired piece of equipment with a pump-up sprayer or through a downstream injector on a pressure washer.

DO NOT use on Stainless Steel, tin, copper, or polished aluminum. Rinse thoroughly after cleaning with cool, potable water.

### **PHYSICAL DESCRIPTION**

- ◆ Active Ingredients = 100%
- ◆ pH 5% Solution = 1
- ◆ Specific Gravity = 2
- ◆ VOC =< 1 gram per liter
- ◆ Appearance = White Powder
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Scale Preventer = Exclusive anti-scale system to clear coils.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container

Product Number	Size
B03-TSH232F3	25 # Box / 12 Kg
B03-TSH232F5	50 # Box / 23 Kg

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# Specialty Transportation

## GLOSS WAX TS-616

Gloss Wax TS-616 is an industrial strength biodegradable wax for use on all vehicle surfaces. Gloss Wax TS-616 provides water resistant coating that works on painted surfaces, glass, chrome, rubber, plastic and metal surfaces. This water resistant coating brings out the shine and luster of dull paint while leaving the surface with a clear thin protective coating. Gloss Wax TS-616 can be used as a standalone wax or added to any transportation products. Ask about the opportunity to add a fragrance for your needs.

### PRODUCT HIGHLIGHTS

- ◆ Fully biodegradable.
- ◆ Non-hazardous, non-corrosive.
- ◆ Gloss Wax TS-616 provides protection to all vehicle surfaces with its protective barrier.
- ◆ Slows corrosion and helps minimize the corrosion effect of highway salts.
- ◆ Economical per gallon cost.
- ◆ As a wax dilute 2000 to 1 as applied.
- ◆ Designed specifically for pressure washers and car/truck wash installations.
- ◆ Designed for hot or cold washing.
- ◆ Works well in hard or soft water.
- ◆ Provides protection from UV degradation

### APPLICATION DIRECTIONS

Mix 1/2 gallon of Gloss Wax TS-616 to every 55-gallons of water. Apply at an average of 6 ounces per car and 12 ounces per SUV or truck. It is best to rinse from the top down. When using as a wash/wax combination, add one quart per 55-gallons of detergent.

### PHYSICAL DESCRIPTION

- ◆ Active Ingredients = 36%
- ◆ pH 5% Solution = 7.0
- ◆ Specific Gravity = .95
- ◆ VOC = 215 grams per liter
- ◆ Flash Point =>105° F
- ◆ Appearance = Brownish Liquid
- ◆ Ozone & Smog = Does not carry ingredients that attack the earth's ozone, or contribute to smog.
- ◆ Hard Water = Softens and is soluble
- ◆ Freeze / thaw stable
- ◆ Shelf Life = Two years in a sealed container

Product Number	Size
B03-TSH516F3	5 GALLON / 18 L
B03-TSH516F5	55 GALLON / 208 L



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