



PGSH

POOSHESH GOSTAR SHIMI Co

INDUSTRIAL CLEANERS MANUFACTURER

Phosphates - Degreasers - Paint removers - rust cleaners - solwash

POOSHESH GOSTAR SHIMI 2020

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Iron Simultaneous Degreasing and Phosphating CD303

This product was first developed and manufactured by Pooshesh Gostar Shimi Co. In 1997 and has applications in automotive, home appliances, electrical engineering, telecommunication, oil and gas industries, construction and all industries that are some how in relation with the paint industry.

- Unlike other alkaline degreasers, CD303 degreasing in the buffer and acidic environment. Degreasing and phosphating are done simultaneously
- The most important advantage of CD303 is that degreaser to phosphate ratio is 1:1. This product is environmentally friendly

The most important features of CD303

- The most important advantage of CD303 is simultaneous phosphating and degreasing in ambient temperature which reduces energy consumption, depreciation of equipment and equipment maintenance costs
- Shortening the process of degreasing and phosphating causes higher efficiency than old fashion methods.
- In old fashion methods of degreasing and phosphating, sealer chromate solution used in order to prevent corrosion of parts after rinsing however CD303 doesn't need any additional additive.
- It has been designed and set to always create a uniform and coherent coating and to prevent corrosion of the washing tubs at the same time.
- This product can be controlled by PH value control or simple titration.
- A uniform anti-oxidizing coating will be formed
- It can be used in water with high total hardness too.
- The amount of iron phosphate forming on substrate depends on three parameters of temperature, time and concentration. Its weight must be between 35 and 40 mg per square feet.
- Being buffer has made CD303 unique by reducing costs, facilitating consumption and increasing utilization duration in tubs.

Advantages of Buffer Solutions

A: Buffer materials are materials that resist PH value changes. For example, when PH value rises, the buffer material releases free acid from total acid that minimizes PH value fluctuation during phosphating process. Meanwhile, the buffer material phosphating iron ion released from the surface of the part and iron phosphate will join to total acid. This soluble iron phosphate salt will be consumed in phosphating process and forms a phosphate layer on substrate. Due to this feature, secondary charging will be postponed.

Also, returning of iron ions released from substrate to phosphating cycle inhibits side reactions and precipitation as a result.

B: The absence of precipitation improves production efficiency and increases the time of using the solution. (At least two times more)

C: The buffer medium is the safest situation because available acid in solution is controlled so that it is operator friendly and can even be used in iron tubs.





COMPARING BUFFER SOLUTION OF IRON SIMULTANEOUS DEGREASING AND PHOSPHATING AND OLD-FASHIONED TREATMENT SYSTEM (IRON SEPARATED DEGREASING AND PHOSPHATING)

The new solution has advantages over old-fashioned one as follow: (diagram 1 & 2)

1. In the old-fashioned method, the alkalinity of degreasing tub is constantly transferred to rinsing tub (1) and then to the phosphating tub. This causes at least two major problems:

A. Phosphating solution has acidic ph value and by the entry of base to this tub, it neutralizes the phosphating solution of the tub. The outcome is the formation of sediment due to acid-base reaction, which sits on rinsed parts. The formation of this thin layer on parts surface avoids paint adhesion to the part.

B. As the phosphating solution in the tub is being neutralized, a more concentrated phosphating solution must be added to tub, which means consumption increase and more production cost.

2. Drainage of alkaline degreasers (due to their high alkalinity) creates environmental problems as well as polluting the aquifers.

3. Treatment process duration lasts for 25-30 minutes in old-fashioned systems, which negatively affects efficiency.

4. Alkaline degreasing tub temperature is 70-80 degrees centigrade. To meet the requirement of attaining and maintaining such temperature for solution tub, more energy should be consumed and heating equipment will wear out more quickly.

5. The rate of using separated degreasers and phosphating solutions is at least 2-6 percent for powder degreaser and at least 2-5 percent of iron phosphate. Therefore, the loading cost and maintaining these substances are much higher than those of cd303.

The consumption rate for CD303 is 2-3 percent.

Diagram 1. Old-fashioned method

- A) alkaline degreaser
- B) rinsing 1
- C) iron phosphate
- D) rinsing 2
- E) chromate sealer

Diagram 2. Using the CD303 solution

- A) iron simultaneous degreasing and phosphating cd303
- B) rinsing

Iron simultaneous degreasing and phosphating CD412

Specifications of CD412

1. High phosphating ability and controlled acidity power
2. Complete degreasing and increase adhesion after treatment process
3. High efficiency at 45-55 degrees centigrade
4. Suitable for immersion system

CD101 Nano Polytech

Nano Polytech is the newest polymer technology for surface preparation and is an effective alternative for zinc phosphate, Iron phosphate and alkaline degreasers.

The remarkable advantages of Nano Polytech product are as follows:

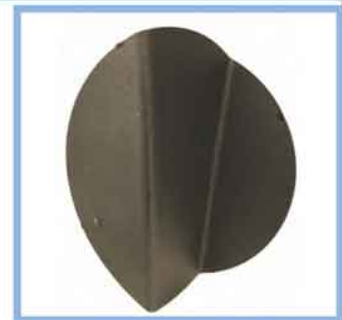
- Significant industrial coatings and paints adhesion to components surface
- High resistance to corrosion (800-1000 hours' salt-spray)
- Suitable for various iron, aluminum, and galvanized surfaces
- No need for separate degreasing (No alkaline and acid degreasers)
- Suitable for ambient temperature (20-30 degrees centigrade)
- Cost-effective, long life cycle of solution (Within 3 - 6 months)
- Reduction of the cleaning process to 2 - 3 cleaning tubs
- Low consumption, proportional to the intended area to be treated
- Environmentally friendly
- Recyclable and simple filtration for reusing.
- Suitable with tap water (No need for distilled water)

Simultaneous Buffer Solution Iron Phosphate Degreasers Plus CD303*

This is the newest product in the category of phosphating- degreasers. The buffer agents have become stronger in this product.

The penetration rate of surfactant has been increased in this product and degreasing rate and quality is much higher than that of CD303.

This product can also be used at the ambient temperature and is known as environmentally friendly detergents.





Buffer Iron Degreaser CD313

1. Complete degreasing from iron surfaces
2. Suitable for aluminum surfaces without making black spots or stain on parts
3. Suitable for spray system
4. It is possible to mix and simultaneously use with iron phosphate CD307 & CD402
5. Controlled foam
6. Fast and effective penetration to under greasy layers
7. Suitable at ambient temperature
8. Optimum consumption and economical
9. Green detergent and environmentally friendly



Iron Degreaser For Spraying Systems CD244

1. Complete degreasing from iron surfaces
2. Suitable for spray system
3. Low alkalinity
4. Controlled foam
5. Fast and effective penetration to under greasy layers
6. Optimum consumption and economical

Iron Degreaser CD144

Cd144 is a very powerful dual component degreaser formulated and designed to treat all Iron parts with surfaces contaminated by heavy grease and lubricants. The main product features are as follows:

1. High degreasing power for iron and cast iron parts
2. 2k degreaser with a proportion rate of 1 kg of powder (first component) to 0.2 kg of liquid additive (second component)
3. Surface preparation for phosphating especially zinc phosphate
4. It can be used in immersion treatment systems



Degreaser CD236

1. It is a dual purpose detergent for Iron and non-Iron (Aluminum and Galvanized) surfaces.
2. It is formulated as a powder (One component)
3. The important advantage of the product is to protect the metal and non-metal surfaces from side chemical reactions and prevents the morphologic destruction of various kinds of alloys.
4. Simple rinsing and light alkalinity facilitates its usage in treatment process.
5. This is a green detergent and an environmentally friendly product.



Anti-foam CD830

This product is for controlling the foam formation in spray degreasing solution. It is used as little as 250 ccs per 1000 liters. The most important advantage of this product is to leave no stain or white rust after treatment and drying.



Floor cleaner CD176

This group of detergents has been designed and manufactured for washing floors and greasy surfaces. It can be utilized for rinsing hall floors of factories, concrete surfaces or concrete surfaces of sewage tanks and refineries, etc. It has also high disinfection property high cleaning ability for cleaning ceramic walls and floors, stone and industrial flooring in various industries and even in residential complexes, offices and hospitals. This product is in the group of green and environmentally friendly detergents.

Aluminum degreaser CD246

1. Suitable for cleaning the aluminum and galvanized surfaces and making them glossy.
2. Having no strong alkaline compounds, including caustic soda and silicate compounds.
3. Quick and easy rinsing
4. No need for acid washing in the rinsing process
5. Suitable for washing sensitive products such as cans and food containers without destructive effects on their surface.
6. Suitable for using in immersion (dipping) and spraying systems.
7. 2 pack with the weight ratio of 2:1 (2 kg of powder to 1 kg of liquid additive)

Aluminum Degreaser CD318

the special aluminum degreaser is liquid and acts with high speed and high quality. Initially, it has acidic PH value that makes it suitable for etching process. This product has chemical peeling ability. Unlike traditional aluminum washing process designed in several steps (Caustic Soda and Nitric acid and Chromate, etc.), this product can wash and rinse aluminum perfectly without making it matt and dusty. Despite one stage rinsing process, signs of surface destruction haven't been reported.

Aluminum degreaser CD256

This product is a simultaneous chemical peeling, etching and degreaser agent for aluminum parts. The operation speed of this product is high and also can be good at low temperatures. The PH value is alkaline and about 12. It can be utilized in immersion and spraying systems.



The products of this group are solvent based degreasers with excellent penetration into greasy layers. The layers convert into an emulsion, suspended in the solution and leave the surface. They are mainly good replacements for gasoline and thinner. In terms of performance and degreasing mechanism, they have huge superiority to gasoline and paint thinner. Gasoline and paint thinner dissolves the grease in them and after a while, degreasing stops as it saturates. While Solwash group products emulsify greases, which is recyclable and reusable. Therefore, in comparison to gasoline, it works 2 times more and the price is less than half. The principal advantage of the product is its usage in all immersion, spray and manual form.



Major characteristics of Solwash group

- Non-flammable
- Reasonable price: reducing pre-treatment costs (gasoline and paint thinner replacement)
- Operator friendly as it does not have an unpleasant odor
- No need for rinsing after treatment
- Complete, easy and fast degreasing
- No corrosion after degreasing
- Suitable at ambient temperature
- As it is non-explosive and non-flammable, it can be used in halls and confined places
- It has no side effect nor destructive one on plastic surfaces, artificial rubber, concrete and stone surfaces



These products are environmentally friendly.

The products of this group are divided into 2 subgroups of Solwash special for Iron and Cast iron parts and Solwash special for aluminum and non-iron parts according to alloy type.



Odorless Solvent-Based Water Dilutable Degreaser" Solwash "CD232



- This product is suitable for washing iron, steel and cast iron parts and can be used in all pretreatment steps for painting. This product is also appropriate during metal processing and machine work.
- To protect iron surfaces from corrosion, seemingly anti-oxidants are used in the formula.
- This product is used in both manual and spray system.
- The consumption ratio is one volume of CD232 to 8-10 times for water volume.
- In case of using spray washing systems, the consumption is 1-2 percent.
- In case of washing aluminum parts with silica alloy content of less than 12%, it leads to more brightness and shininess of aluminum surface.
- Hot-dip galvanized parts tend to show more adhesion to paint when CD232 is used.



Odorless Solvent-Based Water Dilutable Degreaser" Solwash "CD232 AL

- This product is good for washing aluminum, brass and copper parts.
- To protect aluminum, brass and copper surfaces from corrosion, seemingly anti-oxidants are used in the formula.
- No chemical reaction with the alloy surface and high penetration power and speed to remove grease layers.
- This product is used in both manual and spray systems.
- Drying of the residual film after washing is faster than other products of this group.



Solvent-Based Water Dilutable Degreaser” Solwash “CD133

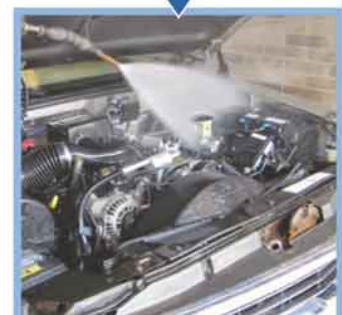
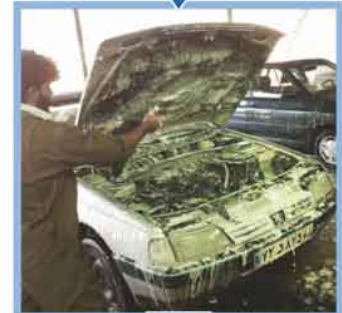
CD133 is an emulsion degreaser and its fast and strong penetration ability to clean and to easily degrease the oily parts has made it a suitable choice. This product is used to wash vehicle's motors and could be used in carwashes.

Oil Compounds And Carbon Sediment Cleaner CD373

This is a powerful solvent-based degreaser to clean very greasy and contaminated parts such as generator parts, electromotors, pumps and also oil tank vessels, vehicles and trains intended to deliver fuel and oil compounds in oil, gas and petrochemical industry.

The product specification is as follows:

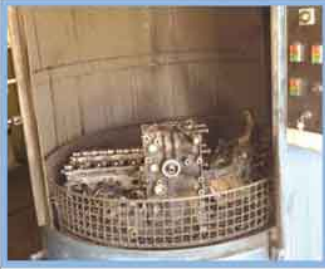
1. Dilutable with water
2. Capable of removing heavy grease such as lubricants, wax, etc.
3. High performance and penetration at 40°C
4. It creates a protective water proof layer to protect the surfaces of parts against corrosion (suitable for washing ball bearing and water-sensitive parts)



Super Clean CD375

This is the most powerful solvent-based degreaser and cleaner for all saturated oils. It is formulated in 2 types of Meta F and Meta C. The Meta F type is not dilutable with water and the drying rate is too high after washing and creates no rust on the surface. It can be recycled and reused. There is no need for rinsing when this product has been used.





This group of products has specifically been designed and made to be used in automatic washing machines. The most significant advantage of this group is the fact that it does not need rinsing step at the end of washing process and, it can be divided to following products based on the type and system of washing, the material of parts to be washed in the machines and the amount of parts contamination.

SuperWash Solvent-Based Plus CD232*

This is a strong product, which can be dissolved completely in water. As it contains strong solvents and surfactants, there is high penetration and washing power for different types of oil, waxes and even greases. It is possible to completely wash the parts in the shortest time according to the type and power of spraying. The important specification of the product is as follows:

- Fast drying rate of parts due to the presence of solvent in the system
- No rust trace on parts after drying
- No need for rinsing
- This product contains proper anti-oxidant to wash iron, steel and cast iron parts such as parts in car braking system.



SuperWash CD315

- Cast iron and aluminum products can be washed simultaneously.
- It creates no stain, no black and white spot or corrosion on cast iron and aluminum surfaces
- It can do degreasing during metalworking and turning
- The washing machines performance can be boosted using foamless surfactants
- It creates an effective anti-corrosion layer on washed surfaces
- It is a green and environmentally friendly cleaner.



Super wash CD315*

It has the same advantages as super wash CD315 does however, the difference is its controlled and less foam during consumption. Therefore, it is suitable for machines not sensitive to controlled foam.

The anti-oxidant used in these two products is among the latest compounds resistant to surface corrosion and can compete in quality with counterpart samples supplied by famous brands. It is a green and environmentally friendly cleaner.

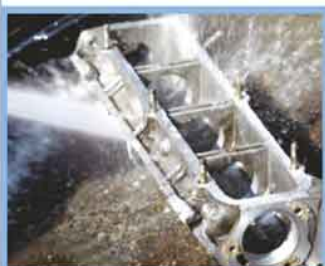


Super wash CD315^{*,A,B}

This product intends to wash aluminum parts in spraying systems.

The surfactants in this product can also resist the pressure of higher than 5 bar behind the nozzles.

The product does not have active foam and leaves no corrosion or oxidation effect on aluminum surface. CD315^{*,B} has anti corrosion protection properties for galvanized surfaces as well.



Super Wash

Machine wash detergent group
Machine wash



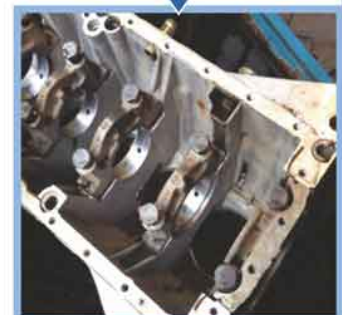
MotoWash

- A detergent specially designed for engines and cylinders in garages washing machines.
- Degreasing Aluminum and cast iron simultaneously and without generating black spots on aluminum.
- The most powerful product with a high rate of penetration for removing contaminations from burnt oil in cylinder block, cylinder head, gearbox, etc.
- MotoWash without foam-forming during spraying provides the possibility of oil refining in the solution.
- Mild alkaline detergent

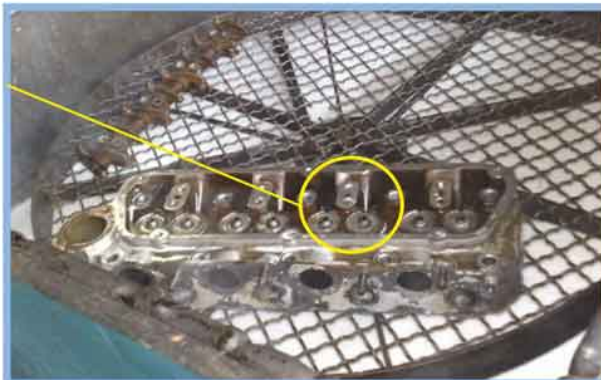
Super Wash CD144*

Features of this product are:

- Strong alkaline detergent
- Suitable for degreasing aluminum and cast iron simultaneously without forming black spots on aluminum
- Extraordinary penetration power, for degreasing High contaminated parts such as outer and inner shell of Motors, Cylinder and gearbox of all types of light and heavy vehicles
- Applicable to washing systems of repair and maintenance units of rail, aircraft, Marine, power plant, gas industries, etc.
- It can be used in the machine working and turning.



Before washing



After washing





Phosphates have many features and capabilities that are categorized in some sections:

A: Phosphate coating is applied for a group of parts for the reasons as follow:

- Surface pretreatment for applying industrial coatings or in electrostatic powder coatings and liquid paints.
- Using phosphate coating to increase the resistance to corrosion until they become dry.
- To increase the adhesion coefficient of paint or glue (Rubber parts - Metal) to the surface.

B: A group of parts that phosphate coating applies to them due to formation of a protective coating layer.

- As an enhancer of corrosion resistance of surface (Salt Spray)
- extend the life time and function of the piece
- Absence of surface oxidation under atmospheric conditions and as a final coating of the parts.

C: A group of parts that phosphate coating applies to them due to the following reasons:

- To improve tensile strength as a lubricant.
- Helping the stretch performance of powder and prevention from mold destruction.



Iron Buffer Phosphate CD307

Most important Features include:

- High corrosion resistance.
- By using this product, you will not need to use a chromate sealer at later stages.
- Increasing adhesion of paint (electrostatic powder and liquid), glue and industrial coatings on metal and aluminum surfaces (first category)
- Capability of phosphating at ambient temperature (20-25°C) and quality enhancement has been observed at 55-60°C.
- Capacity of phosphate in the buffer environment and increase phosphate coating efficiency due to eliminating sediments and precipitation
- Suitable for immersion and spray systems
- Ability to mix and use simultaneously with Iron spray degreaser CD313.
- This product is in the group of green and environmentally friendly detergents.

Iron Phosphate CD402

The iron phosphate is suitable for painting industrial parts (First Category), which is designed for immersion systems. No need to chromate sealer has been reported. In the case of extending phosphating duration and which leads to thickness increase of the phosphate layer, it will also be suitable for pipe or profile forming (Third category). The key feature of CD402 is its ability to be combined with CD146 degreasers with any proportion.

Zinc-Nickel Phosphate CD201

This product creates a zinc phosphate layer (light gray) with an appropriate thickness suitable for painting and adhesion process. Its crystals are so tiny. Its price is reasonable.



Zinc Phosphate CD205

This product creates a uniform phosphate layer with fine crystals on the surface. Its corrosion resistance is high. Regarding the correction of reaction accelerators in the formulation, the volume of precipitation formed during the operation of the phosphate is significantly less than the content in similar Products. Due to corrosion resistance increase (salt spray) and also enhancement of the quality and adhesion of paint, adhesives and industrial coatings can be consumed in various industries such as automobile manufacturing, plumbing, household appliances, electrical and telecommunications, oil, gas, petrochemicals industries, etc. (1st and 2nd categories)



Zinc Phosphate CD205 S

- Creates a thick phosphate layer, with fine and uniform crystals.
- Forming corrosion-resistant coating on iron, cast iron and steel substrates.
- It can be used as finishing Agents for pieces that can't be painted.
- Increasing lubrication and abrasion, friction and corrosion resistance (third category), such as piston, shock absorber, gearbox, etc.
- Ability to use Halifa's protective oil to increase corrosion resistance (salt spray) and apparent Transparency and glossiness of phosphate parts.



Manganese Phosphate CD823

This solution contains zinc-manganese-nickel metal cations. Its thickness is high and can make coarse and large crystals on the surface of the fragments. These crystals increase the lubrication ability of the phosphate layer that is used to create high corrosion resistance for parts that become exposed to abrasion or friction and not been painted. (Second and third categories) such as gears in gearboxes and clutch plates, etc.





Paint Stripper CD501

1. CD501 is an alkaline solvent-based paint stripper.
2. It is easy to use with high rate of paint removal.
3. Powerful paint removal and high penetration rate.
4. Capability of re-painting of parts due to its non-destructive effects on substrate.
5. Suitable for iron, steel, cast iron and non-ferrous parts.

Acidic Paint Stripper CD507

This product is capable of removing all types of stoving, acrylic, epoxy, and electrostatic powder paint from iron and even aluminum surfaces. It does not cause any damage or destruction effect. In the case of the higher color thickness or to remove paints with resistant resins (such as polyurethane and polyester). Special additive should be used with in 1:20 proportion. Please refer to the TDS and MSDS for further information.



Gel Paint Stripper

1. Ability to apply on non-horizontal surfaces due to proper viscosity
2. Suitable for massive industrial, agricultural and shipping parts that cannot be used in immersion systems.
3. Low evaporation rate of applied film.
4. Capability of local paint removing of parts
5. Capability of re-painting of parts due to non-destructive effects on substrate.
6. Suitable for paint stripping of electrostatic and alkyd paints from substrates



Water-Based Alkaline Paint Stripper CD503

1. Capability of indoor use due to absence of unpleasant odor.
2. Ability to multiply using this product without becoming two distinct phases
3. Paint remover of even thick or multi-layer paints such as pendant hooks and hangers (no need to burn paint and eliminate the pollution caused by this process)
4. In most cases, this product doesn't require paint scratching unlike a large number of paint removers.
5. This product is designed and formulated to eliminate the electrostatic powder coating, stoving and alkyd paints.



Alkaline Paint Stripper CD509

This product is dissolved in water. It should be heated and be used in immersion systems. It's been formulated for a variety of electrostatic & stoving-based paints. This product is cost-effective.

Water Wash CD825

This product does not stick to the inner surface of tubs, tubes, pumps and suspending the paint.



Descaler

This product has been designed and manufactured with a high penetration rate at ambient temperature, which is the most important feature of the product to remove the bulk and deep oxide layer of metals. Using phosphate CD307 or CD303 and phosphate with CD201 is recommended to prevent further rust formation on clean parts.

Rust Remover in Acidic Environment CD389

It performs in immersion systems at ambient temperature. It also prevents corrosion and prevents iron from "etching".

Rust Remover in Acidic Environment Plus CD389'

This product is a very strong rust remover, which doesn't contain volatile and destructive acids such as hydrochloric acid. CD389' has no unpleasant odor while it has a very high speed and quality of rust removing ability at the same time.

Rust Remover in Acidic Environment CD308

This product does rust removing and degreasing at ambient temperature simultaneously. It is phosphate-based, which prevents the metal surface from being deactivated. It removes the black and yellow oxides from the metal surface, thereby increasing the quality of the phosphate and transparency of the surface can be observed. The most important feature of CD308 is its compatibility with CD303 or CD307.

CD122

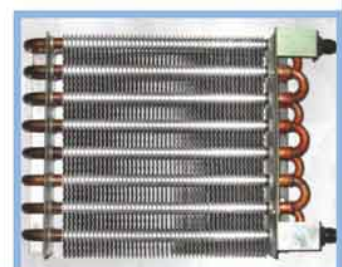
This product has been designed and formulated to remove the oxide layer from brass surfaces. The brass pieces become shiny and glossy after consuming CD122.

Scale Remover

This product is used to clean up water deposits or sludges produced in phosphates or degreasing tubs. Scale Remover can remove greases from spot welding or reservoir bodies, without any damage. Oxide and lime deposits from inner surfaces tube and cooling systems can be eliminated.

Aluminum Oxide Remover CD328

This product is designed to remove black stains from aluminum surfaces that give transparency and glossiness to the surface (except for casting aluminum). Its operating time is very short and can be used at ambient temperature.





Copper Oxide-Remover CD364

This product is used to remove the oxide layer (black and green) from copper parts and make copper brighter without reducing size or thickness. This product can also be used at ambient temperature.

Rust Remover CD364*

This product has been designed to remove white rust from galvanized plates to enhance the adhesion of electrostatic paint and industrial protective coatings. One of the features of CD364* is the ability to degrease galvanized surfaces.



Industrial detergents



Gleam Liquid Soap

A powerful liquid soap that been designed to clean contamination and dirt, contains natural compounds. This product is used to remove ink stains and all types of industrial greases from the hands and body. This material disintegrates the fat and grease structure as soon as it touches the skin and changes the structure of them so it is washed with water quickly. This product contains lanolin and makes skin smooth.



CitroHand Cream

This product is made of natural compounds and eliminates heavy greases and dirt courtesy of abrasive granules in its composition. This material is made from herbal oil, which strengthens the skin and prevents cracks and callus and creates a pleasant fragrance after the process. Utilization of micro granules in its structure made this product effective in cleaning up all kinds of heavy greases. Citro Hand also eliminates dirt and grease beneath the nails and around the hand callus.



Chromate Sealer CD895

Cd895 passivates phosphate layer. This product has been excluded from the company's products due to the persistent pollution and environmental and human harmful effects and newer and safer generation of this group, known as Anti-Oxidant MA800 has been produced by our company.



Antioxidant MA800

This product is designed for delaying oxide layer formation on metallic, aluminum and galvanized substrates. This retardation can be varied from one to three months. MA800 mechanism is based on an electrochemical reaction. Its consumption amount is very low and its price is quite reasonable. This product has various applications to control corrosion in wet blast, paint removing, rust removing and degreasing without phosphating systems. It have been replaced by a chromate sealer group, as a neutralizer and MA800 antioxidants have eased the disposal of wastewater and has no environmental and human hazards so that it is classified in the group of green and environmentally friendly detergents.

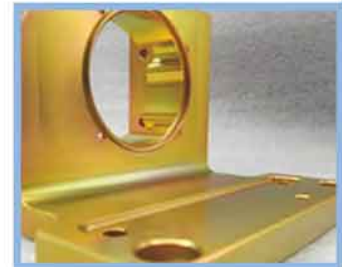
Aluminum Chromate CD885

This product is used to create a golden or yellow chromate layer on the aluminum surface to enhance the adhesion of the paint layer and to prevent surface oxidation. Utilizing time of this solution is much longer than the time for similar samples. Therefore, the number of Chromated pieces is more therefore, final product cost drops. CD885 has very high salt spray resistance and its price is much cheaper and affordable. This product has been designed for all types of aluminum parts, such as profiles and aluminum sections, evaporators, radiator blades, and so on. Using wastewater treatment plants is required to discharge these materials.

Halifa Protective Oil

This product is a low viscosity lubricant using in the following cases

- to prevent rusting, in cases where zinc or manganese phosphate applied on pieces but painting won't happen in later steps.
- when long intervals happen between pieces' production and their painting.
- exposure to rain
- This product has good exposure resistance to the weather.
- It will be removed from the pieces' surface easily with CD144 degreaser.
- this product can be diluted with oil or gasoline, it can be applied in the manual (brush) and spraying systems.





Using ultrasonic devices is one of the newest specialized washing techniques with multiple applications and sometimes exclusive applications in various industries. This technology is based on the creation of ultrasound waves and can remove contaminations such as grease, rust, pile, soot and hard objects sticking to surfaces and even seams and capillary tubes, especially complex parts. These devices have a wide range of usages with cleaning and disinfection of medical equipment.

Pooshesh Gostar Shimi R&D unit (R&D) is conducting extensive studies and researches in order to design new products in this novel field that results in producing new products as follows:



Ultrasonic Cleaner UI244

This detergent can clean all types of aluminum and brass alloys at the frequency of 30 Hz and at below 40°C that makes it suitable for a variety of complex components, such as brake cylinder and gas burner, etc.

For further information, check the technical sheet of this product.



Ultrasonic Cleaner UI142

This detergent is capable of removing all types of surface contamination such as grease, pile and even residual carbon on the surface of components at 30 to 40 Hz frequency range and at below 40 °C temperatures. There are many uses, such as washing the car injector and cleaning up various components of the engine and in military, aircraft and power industries.

For more information, check the technical data sheet of this product on our website.



Copper and Brass Oxide Remover UI324

This product is capable of removing all kinds of stains and welds from copper, brass and bronze parts. While it does not corrode the piece surface, it gives glossiness to the surface. Various applications are in decorative industries such as chandeliers, wrought iron and aerospace industries, etc.



Ultrasonic Cleaner UI336

This detergent is the newest product for cleaning and bleaching in the Iran ultrasonic market. The extraordinary penetration power and degreasing, along with the simultaneous removal of aluminum oxide layer and gloss creation on aluminum alloy surfaces, have allocated an outstanding position to this product. The consumption temperature is 35-40 °C. It has a wide range of applications in military, automotive and sensitive equipment industries. UI336 is in green and environmentally friendly group of products.



A few words to our esteemed consumers:

The covenant of Pooshesh Gostar Shimi has been designing and manufacturing detergents and conversion coatings in order to protect the environment and preserve water resources and we are committed to our words. We believe that protection of environment is our duty, so designing brand new products is in line with our quadruple principles:

- Reducing energy consumption
- Reducing environmental pollutants
- Reducing high-risk detergents and raw materials
- Reducing human resource working risks and costs

We are proud to have been able to present you with a wide range of environmentally-friendly products with various applications, utilizing novel technical science and raw materials that are approved by the European Union Standards. Now you can protect the right of using the environment and water resources wealth by choosing the right environmentally friendly products for yourself and your family.



Elected First National Congress
The leaders of the country's chemical industry

Note:

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POOSHESH GOSTAR SHIMI

Industrial Cleaners: Degreaser & Phosphating Solutions , Paint Removers,
Rust Removers, Cromating Solutions, Aluminium Cleaners ,
Super Wash (machine - based cleaners solution)
SOLWASH (water base solvent degreasers)
Ultra sonic system solutions

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