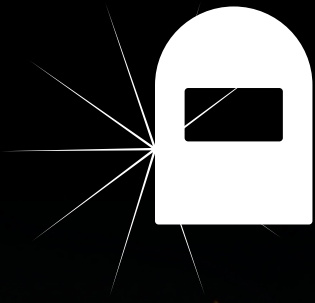


Degreasers • Pickling and Passivation Products • Cleaners • Antispatters • Non Destructive Testing (NDT) • Anticorrosive Coatings • Torch Coolants



WS Welding

WELDING CHEMICAL SPECIALISTS

#POWER
TO THE
WELDER



whalespray.com



#POWER
TO THE
WELDER

WHALE SPRAY, POWER TO THE WELDER

Nowadays and after many years of evolution and innovation, the **Welding** sector has become a key piece of the network of gears that make up our world, becoming one of the main economic and productive sectors on a global level. It has so much importance that human beings could not conceive modern life if it was not thanks to **Welding**, and in our daily lives it is difficult to look around and see anything that does not contain some type of Welding.

This is why our objective is crystal clear: to provide all **Welders** with the appropriate products to carry out their work in the most **effective** and **safe** way possible.

At **Whale Spray**, we believe that there is no better way to recognize your work than by striving to **formulate, design, produce and deliver** to all corners of the world the most complete range of chemical solutions for **Welding**.

After more than **35 years of experience** in welding chemicals, **90 product references**, distribution in **75 countries** and **+1000 sales points**, we are very proud of the partnerships established with all our **distributors** whom we consider a vital part of **Team WS**. To all those who choose our products day after day, we guarantee to:

- ✓ Strengthen our R+D to create new solutions that cover emerging needs.
- ✓ Always have as a priority the highest standards of quality and efficiency in the manufacturing and performance of our products.
- ✓ Implement processes to reduce the carbon footprint, always taking the Environment into account.
- ✓ Continue innovating in design to generate functional and intuitive solutions.
- ✓ Keep on providing **Power to the Welders** anywhere in the world.

We invite you to be part of the **Team WS** and shape the future of Welding together.

Enric Orduna
Whale Spray Founder



The only manufacturer that offers a full range of **chemical solutions** for the **Welding World**



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Antispatter WS 1805 S

**N°1 SALES
WORLDWIDE**

**DEMO
WS 1805 S**



**Welding
Chemicals**

ANTISPATTERS

Antispatters prevent the adhesion of molten metal spatters generated during the welding process to nearby surfaces and working gear such as tools or equipment.

During welding, especially in MIG/MAG processes, it is common for small drops of molten metal to adhere to nearby surfaces, which can cause different problems: from wasting time or economic resources with their elimination, to unprofessional finishes. Antispatters act by forming a protective layer that prevents these metal particles from adhering, making them easier to clean later.

- ✓ **Protection of surfaces**, as it prevents spatters from adhering.
- ✓ **Facilitate cleaning**, because since the spatters do not adhere, they are easily removed.
- ✓ **Increase the durability of equipment and tools** by preventing spatters from damaging welding nozzles, clamps or any other component.
- ✓ **Improve the quality of the weld** by avoiding the accumulation of spatters in the areas where we weld, improving the final finish.
- ✓ **Safety** in the work environment by reducing the possibility of spatters causing accidents.

Antispatters optimize the quality of the welding process, protecting both equipment and surfaces and improving the work efficiency, becoming a very efficient way to optimize your time and reduce costs.



ANTISPATTERS



WS 1800 S

BIO Antispatter

New generation antispatter based on a biodegradable oil that easily and quickly prevents the adhesion of spatters on metal surfaces during the welding process in addition to eliminate the need for chiseling, sharpening or planing after welding. Prevents clogging of the nozzles of automatic and semi-automatic welding equipment.

 12 x 400 ml 1800S0020



WS 1800 Gel

BIO Antispatter Non-flammable

New generation antispatter based on a biodegradable oil that easily and quickly prevents the adhesion of spatters on metal surfaces during the welding process in addition to eliminate the need for chiseling, sharpening or planing after welding. Prevents clogging of the nozzles of automatic and semi-automatic welding equipment.

 24 x 453 gr 1800L0020



WS 1800 G

BIO Antispatter Non-flammable

New generation antispatter based on a biodegradable oil that easily and quickly prevents the adhesion of spatters on metal surfaces during the welding process in addition to eliminate the need for chiseling, sharpening or planing after welding. Prevents clogging of the nozzles of automatic and semi-automatic welding equipment.

 4 x 5 L 1800G0013

 200 L 1800G0016

 25 L 1800G0024



WS 1801 S/Works

Non-flammable BIO Antispatter Non-flammable

Non-flammable Antispatter that provides a safe, fast, easy, economical and biodegradable way to prevent the adhesion of spatters on both surfaces and nozzles. Designed with a 360° vision, making it 100% suitable for all kinds of welding processes: manual, semi-automatic, robotic, laser and plasma cutting.

 12 x 400 ml 1801S0020



WS 1801 G/Works

Non-flammable BIO Antispatter Non-flammable

Non-flammable Antispatter that provides a safe, fast, easy, economical and biodegradable way to prevent the adhesion of spatters on both surfaces and nozzles. Designed with a 360° vision, making it 100% suitable for all kinds of welding processes: manual, semi-automatic, robotic, laser and plasma cutting.

 4 x 5 L 1801G0011

 200 L 1801G0016

 25 L 1801G0024

ANTISPATTERS



WS 1802 G

Robotics Antispatter  *Non-flammable*

Antispatter specially developed for its use in Robotic Torches, made with a 100% synthetic base and is silicone-free. The safest product for welders as it contains 0% harmful substances.



6 x 1 L

1802G0004



25 L

1802G0024



4 x 5 L

1802G0013



200 L

1802G0016



WS 1805 S

Ceramic Antispatter

Innovative ceramic protective coating for welding processes. With a single application it forms a dry film effectively protecting welding equipment for up to 8 hours. Cleaning the equipment is not necessary, thus reducing costs and improving productivity. Compatible with painting processes.



12 x 400 ml

1805S0020

N°

1

Sales worldwide



100% spatter-free

Protects up to
8h with a
single application

Increases
productivity by
11%

Reduces
consumables
consumption by
70%





ANTISPATTERS

WS 1805 Gel Ceramic Antispatter

Performs 8 times more
than any gel on the market.



Protects
up to **8h**
with a **single**
application

Reduces
consumable
consumption
by **70%**

Increases
productivity
by **11%**



WS 1805 Gel

Ceramic Antispatter  **Non-flammable**

Innovative ceramic protective coating for welding processes. With a single application it forms a dry film effectively protecting welding equipment for up to 8 hours. Cleaning the equipment is not necessary, thus reducing costs and improving productivity. Compatible with painting processes.

 24 x 500 gr 1805L0020

WS 1805 G

Ceramic Antispatter

Innovative 100% ceramic antispatter that protects treated surfaces for up to 8h, extraordinary resistance to temperature, higher than 1200°C. Protects surfaces, positioners, pieces, nozzles in MIG-MAG, laser and plasma processes.



 1 x 5 L 1805G0011

WS 1807 G/10 D

Laser Welding Special Antispatter  **Non-flammable**

Next generation formula developed especially for the protection of laser cutting parts. It quickly and easily provides a thin film that facilitates cutting as well as avoiding projections during the laser cutting process. It can be applied manually by sprayer or by automatic circuit dosing systems.



 25 L 1807G1024

NON DESTRUCTIVE TESTING (NDT)

Non Destructive Testing (NDT) products, such as liquid penetrants and magnetic particles, are used in the inspection of welds and components to **detect surface or sub-surface defects** without damaging or alter the parts. These products guarantee the integrity of metallic structures and other materials, allowing the identification of failures or discontinuities that may compromise the quality or safety of the welds.

We group them into two types:

Penetrating Liquids:

- ✓ They are used to detect cracks, pores and other open discontinuities on the surfaces both in metallic and non-metallic materials.
- ✓ The penetrating liquid is applied to the surface of the object and infiltrates any defects. After removing the excess, a developer is applied that highlights the areas where the penetrant has become trapped, allowing clear visual inspection of defects.
- ✓ It is widely used in welding, casting, machined parts and precision components.

Magnetic Particles:

- ✓ Detection of surface and sub-surface defects since they contain magnetic particles that allow the detection of cracks and discontinuities in ferromagnetic materials.
- ✓ The part to be inspected is magnetized, and the magnetic particles suspended in the aerosol are applied to the surface, these accumulate in the areas of discontinuity, making any defect visible under visible or fluorescent light.
- ✓ Ideal for inspections of welds, forgings and steel components in sectors such as automotive, construction and aeronautics.

NDT aerosols are of vital importance when it comes to guaranteeing the integrity of any part, so that incidents are prevented in the future.

Selecting the appropriate Test method depends on several factors:

1

Welding joint material:

Some methods are specific for ferromagnetic or conductive materials.

2

Expected defect type:

Some methods are better at detecting surface defects, while others are more suitable for internal defects.

3

Weld accessibility:

The shape and access to the area to be inspected may limit testing options.

4

Precision and detail requirements:

Depending on the criticality of the application, more detailed and precise methods may be required.



NON DESTRUCTIVE TESTING (NDT)



WS 1820 S

Crack 1 | Red Penetrant

Deep red penetrant liquid, developed exclusively for NDT in compliance with ASTM E-165 specifications. Locates discontinuities, pores, cracks, through a simple 3-step process, using WS 1821 S Crack 2 and WS 3050 S Crack 3 together.

 12 x 400 ml 1820S0020



WS 1820 G

Crack 1 | Red Penetrant Non-flammable

Deep red penetrant liquid, developed exclusively for NDT in compliance with ASTM E-165 specifications. Locates discontinuities, pores, cracks, through a simple 3-step process, using WS 1821 S Crack 2 and WS 3050 S Crack 3 together.

 1 x 5 L 1820G0011



WS 1821 S

Crack 2 | White Developer

White developer liquid, developed exclusively for NDT in compliance with ASTM E-165 specifications. Locates discontinuities, pores, cracks, through a simple 3-step process, using WS 1821 S Crack 2 and WS 3050 S Crack 3 together.

 12 x 400 ml 1821S0020



WS 1821 G

Crack 2 | White Developer

White developer liquid, developed exclusively for NDT in compliance with ASTM E-165 specifications. Locates discontinuities, pores, cracks, through a simple 3-step process, using WS 1821 S Crack 2 and WS 3050 S Crack 3 together.

 1 x 5 L 1821G0011



WS 3050 S

Crack 3 | NDT Cleaner

Cleaning spray, developed exclusively for NDT in compliance with ASTM E-165 specifications. It effectively removes contaminants and debris through a simple 3-step process, it is used together with the WS 1820 S Crack 1 and WS 1821 S Crack 2 together.

 12 x 400 ml 3050S0021



WS 3050 G

Crack 3 | NDT Cleaner

Cleaner, developed exclusively for NDT in compliance with ASTM E-165 specifications. It effectively removes contaminants and debris through a simple 3-step process, it is used together with the WS 1820 S Crack 1 and WS 1821 S Crack 2 together.

 1 x 5 L 3050G0011

NON DESTRUCTIVE TESTING (NDT)



WS 1819 WS NDT KIT

Kit containing Crack 1 Red Penetrating Liquid, Crack 2 White Developer Liquid and Crack 3 Eliminator to carry out non-destructive testing (NDT) for the detection of cracks using penetrating liquids.

 4 pcs. box 1819S0113



Crack 1 · WS 1820 S
Red Penetrant



Crack 2 · WS 1821 S
White Developer



Crack 3 · WS 3050 S
NDT Cleaner



NON DESTRUCTIVE TESTING (NDT)



WS 1825 S

Crack 4 | Black Magnetic Particles

Spray to apply on ferritic type welded pieces and detect a discontinuity in the magnetic field, thus finding the crack in the piece. Due to the very small size of the particles and magnetic fields, it allows very precise detection of defects.



12 x 400 ml

1825S0020



WS 1826 S

Crack 5 | Contrast Lacquer

Contrast lacquer that is applied to a dark surface, turning it white so that there is greater contrast when applying the product WS 1825 S Crack 4 Black Magnetic Particles, while carrying out a non-destructive crack detection test using a magnetic field.



12 x 400 ml

1826S0020



ASTM
E-709

BS
4069

ASTM
E-1444

MIL-STD
271

ASME
SEC V
Art 7.

MIL-STD
1949

ISO
9934

ASM
3042

ISO
10893-5

DIN
54132

NAVSEA
250-1500-1

NON DESTRUCTIVE TESTING (NDT)



WS 1827 S

Crack 6 | Fluorescent Magnetic Particles

Spray containing fluorescent particles to be applied to a piece in which a non-destructive test is to be carried out using a magnetic field and ultraviolet light. Due to the small size of the particles and the UV light, the detection capacity is high. By interrupting the magnetic field, the particles concentrate in the fissure and are detected at first glance with UV light.



12 x 400 ml

1827S0020



WS 1827 G

Crack 6 | Fluorescent Magnetic Particles



Non-flammable

Liquid containing fluorescent particles to be applied to a piece in which a non-destructive test is to be carried out using a magnetic field and ultraviolet light. Due to the small size of the particles and the UV light, the detection capacity is high. By interrupting the magnetic field, the particles concentrate in the fissure and are detected at first glance with UV light.



4 x 5 L

1827G0013

ASTM
E-709

ASTM
E-1444

ASME
SEC V
Art 7.

ISO
9934

ISO
10893-5

DIN
54132

NAVSEA
250-1500-1

BS
4069

MIL-STD
271

MIL-STD
1949

ASM
3042



ANTICORROSIVE COATINGS

Anticorrosive coating sprays have the main function of protecting metal surfaces **against corrosion and deterioration** caused by exposure to environmental factors such as humidity, oxygen, chemicals or salinity. These sprays create a protective layer that acts as a barrier, preventing corrosive elements from coming into direct contact with the metal, thus prolonging its useful life and maintaining its appearance and functionality.

- ✓ **Protection against corrosion** by forming a layer that protects metal surfaces against oxidation and other types of corrosion.
- ✓ **Prevention of structural damage** by avoiding corrosion, the risk of metal parts losing structural integrity is reduced.
- ✓ **Ease of quick and uniform application**, allowing you to cover large or small areas with precision.
- ✓ **Resistance to chemicals and weather conditions** such as extreme temperature variations, rain and ultraviolet light.
- ✓ **Aesthetic improvement** of the appearance of surfaces, giving them a glossy or matte finish depending on the formulation.

They are widely used in preventive maintenance processes, coating of equipment, pipes, metal structures, and in industries such as automotive, shipbuilding, and machinery manufacturing.



ANTICORROSIVE COATINGS



WS 1544 S
ZINC Pure Matt

Epoxy-based anticorrosive coating with 97% pure Zinc in dry film. Excellent resistance to corrosion and rust tested with saline mist (+2600 hours) and also withstands temperatures of up to 350°C. Excellent adhesion and quick drying.

 12 x 400 ml 1544S0020



WS 1545 S
ZINC Bright

Zinc + Aluminum anticorrosive coating, which combines the protective properties of zinc against corrosion with the shiny finish of aluminum. Resistance tested with saline mist (200 hours) and also withstands temperatures up to 350°C. Excellent adhesion and quick drying.

 12 x 400 ml 1545S0020



WS 1547 S
ZINC 99,99% Bright

Pure Zinc anticorrosive coating, which combines protective properties against corrosion with a shiny finish. Resistance tested with saline mist (300 hours) and also withstands temperatures up to 350°C. Excellent adhesion and quick drying.

 12 x 400 ml 1547S0020



ANTICORROSIVE COATINGS



WS 1548 S INOX Matt

Anticorrosive coating composed of stainless steel particles (17% Cr; 13% Ni; 2.25% Mo; 67.75% Fe), which combines protective properties against corrosion with a matt finish. Resistance tested with saline mist (200 hours) and also withstands temperatures up to 300°C. Excellent adhesion and quick drying.



12 x 400 ml

1548S0020



WS 1549 S INOX Bright

Anticorrosive coating composed of stainless steel particles (17% Cr; 13% Ni; 2.25% Mo; 67.75% Fe), which combines protective properties against corrosion with a glossy finish. Saline mist test resistance (200 hours) and also withstands temperatures up to 300°C. Excellent adhesion and quick drying.



12 x 400 ml

1549S0020

LEAK DETECTION



WS 1822 S Leak Detector

Non-flammable

Quickly detects and locates gas leaks and pressure losses in pipes, pressure systems, etc. Creating perfectly visible bubbles when applied directly to

the leak. Its water-based formulation contains surfactants, anticorrosives and stabilizers. It contributes to protecting the environment by locating emissions of toxic and polluting gases. It is a non-flammable product.



12 x 400 ml

1822S0720



WS 1822 G Leak Detector

Non-flammable

Quickly detects and locates gas leaks and pressure losses in pipes, pressure systems, etc. Creating perfectly visible bubbles when applied directly to the leak. Its water-based formulation

contains surfactants, anticorrosives and stabilizers. It contributes to protecting the environment by locating emissions of toxic and polluting gases. It is a non-flammable product.



25 L

1822G0024



THERMAL PROTECTION



WS 3920 G Thermal Protection Gel

Non-flammable

Special gel for the protection of surfaces and components from the effect of heat and flames in all welding processes. Protects surfaces even from flames.

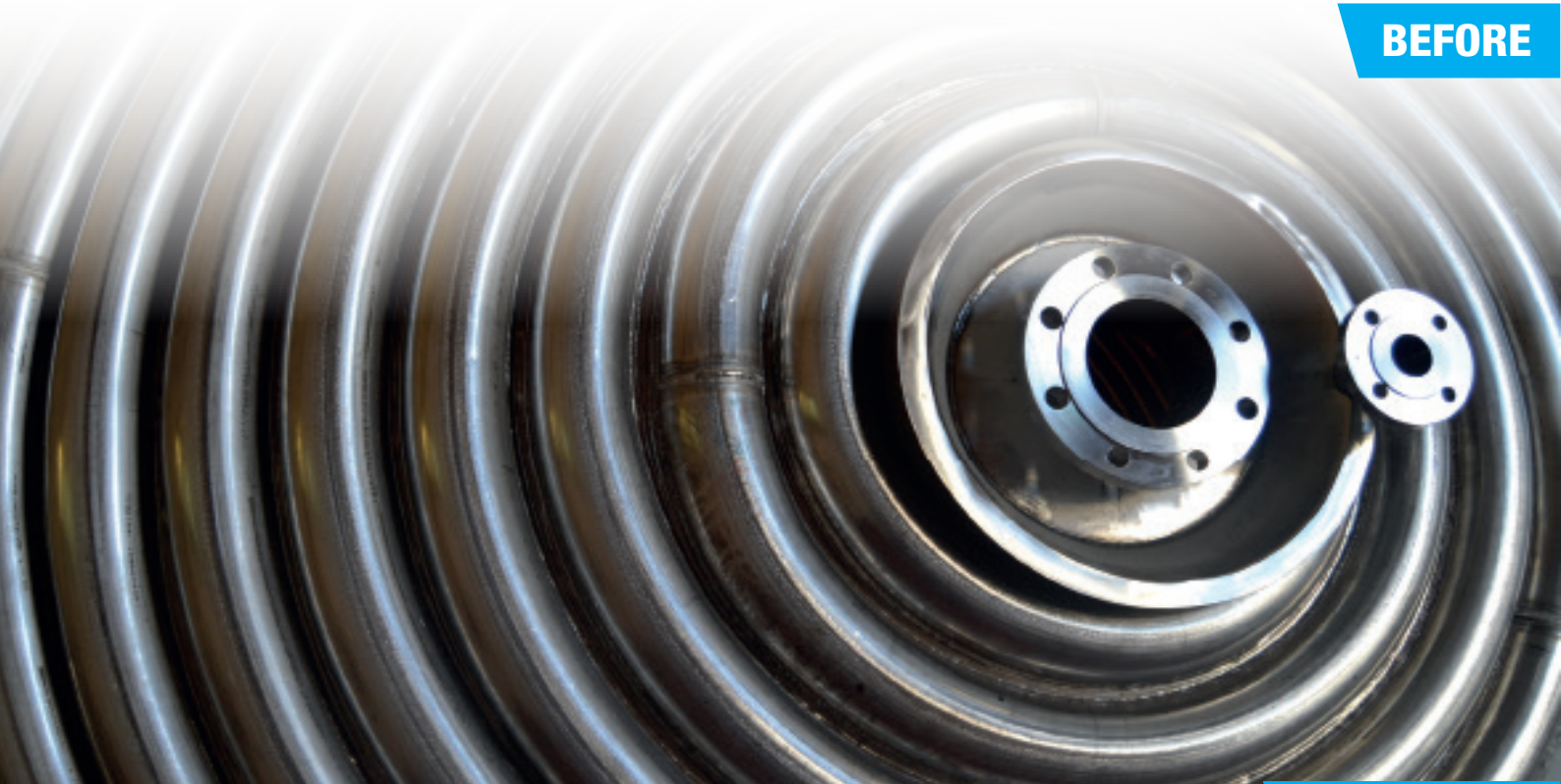


8 x 500 ml

3920G0020



BEFORE



AFTER



Surface treatments

SURFACE TREATMENTS

Chemical products for the treatment of surfaces of materials such as stainless steel, titanium, aluminum and copper have the main function of **preparing, cleaning, protecting and improving** the properties of these surfaces, either by optimizing their performance, prolonging their useful life or improving their aesthetic appearance. These treatments are essential in industrial applications to improve the physical, chemical or aesthetic properties of the materials.

DEGREASING

Degreasing removes oils, greases, dust and other contaminants from the metal surface, preparing it for subsequent treatments. It is very important in order to avoid setbacks in other processes.

PICKLING

Pickling removes surface oxides, improves the appearance of the metal and prepares the surface for other treatments such as passivation. In the case of stainless steels, pickling ensures the removal of the damaged chromium oxide layer, exposing a new layer for passivation.

PASSIVATION

The **passivation** process involves the application of chemicals to create a protective oxide layer on the surface of metals such as stainless steel, titanium and aluminum. This layer increases corrosion resistance by forming a barrier that prevents oxidation.

ELECTROPOLISHING

Electropolishing is a chemical process that smoothes and improves the surface quality of metals through the controlled removal of surface material, resulting in a smooth, shiny surface.

It is of vital importance to carry out the complete surface treatment processes, since skipping steps could lead to serious problems or post-treatment incidents.



STAINLESS STEEL DEGREASERS



WS 3616 G

Degreaser and Rust Remover for Stainless Steel



Non-flammable



Non-toxic

Product specially designed for degreasing and deoxidizing stainless steel and its alloys. Removes all types of organic residues from the surface. Highly effective for degreasing prior to the pickling and passivation processes of stainless steel.



Spraying



Immersion



Recirculation

8 x 500 ml 3616G0020

30 Kg 3616G0014

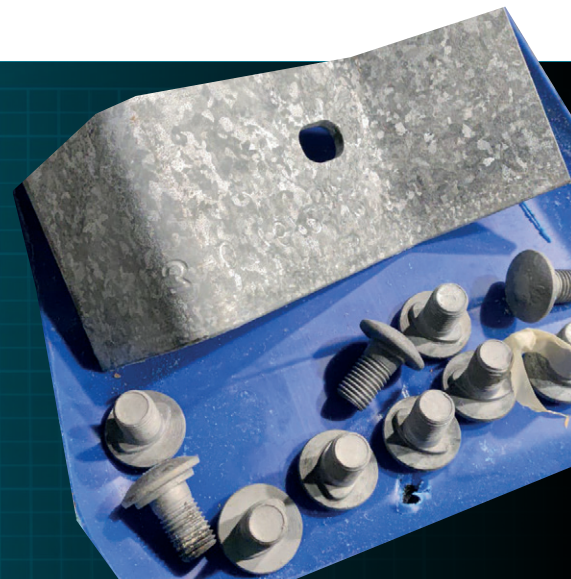
4 x 6 Kg 3616G0005

250 Kg 3616G0016

Before



After



STAINLESS STEEL PICKLING



WS 3610 Gel

Welding Beads Pickling Gel

Red pickling gel that eliminates blackening of the weld bead and areas affected by the heat of the electric arc, as well as oxide stains on stainless steel and its alloys.

6 x 1,2 Kg 3610G0004

4 x 2 Kg 3610G0079



Brush



WS 3613 G Liquid

Pickling Liquid for Immersion

Pickling liquid that eliminates the blackening of the weld bead and the areas affected by the heat of the electric arc, as well as oxide stains on stainless steels and their alloys. Leaves a uniform surface finish with a shiny satin appearance. It is highly effective as it eliminates all potential signs of ferritic corrosion, external rust, reduced chromium layers and abrasions.



Immersion



Recirculation

30 Kg 3613G0015

1000 Kg 3613G0017

220 Kg 3613G0016

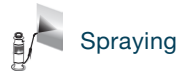


STAINLESS STEEL PICKLING



WS 3627 G Spray Pickling Gel for Spraying

Red pickling gel that eliminates blackening of the weld bead and areas affected by the heat of the electric arc, as well as oxide stains on stainless steel and its alloys. Leaves a shiny satin-like finish on the surface. Eliminate all potential signs of ferritic corrosion, external rust, reduced chromium layers and abrasions.



30 Kg 3627G0014

1100 Kg 3627G0017

220 Kg 3627G0016



STAINLESS STEEL PASSIVATORS



WS 3633 G Liquid Passivation Liquid for Immersion

Passivating liquid that restores the passive layer quickly and homogeneously on all surfaces of stainless steel and its alloys. It is highly effective since it recovers 100% surface resistance to corrosion.



30 Kg 3633G0014



WS 3634 G Spray Passivation Gel for Spraying Non-toxic

Passivating gel that restores the passive layer quickly and homogeneously on all surfaces of stainless steel and its alloys. Its formula does not contain nitric acid, which makes it a non-hazardous product for the operator. It is highly effective since it recovers 100% surface resistance to corrosion.



30 Kg 3634G0014



STAINLESS STEEL PASSIVATORS



WS 3634 Gel

Welding Beads Passivation Gel  *Non-toxic*

Restores the passive layer quickly and homogeneously on all surfaces of stainless steel and its alloys. Its formula does not contain nitric acid, which makes it a non-hazardous product for the operator. It is highly effective since it recovers 100% surface resistance to corrosion.



 6 x 1 Kg

3634G0004



WS 3644 G

Biodegradable Passivation Liquid  *Non-toxic*

Product for the passivation of austenitic and ferritic stainless steels, free of nitric acid. It quickly offers a passive protective layer on stainless steel and therefore ensures corrosion resistance. Treatment of the water resulting from rinsing is not necessary.



 30 Kg

3644G0014

STAINLESS STEEL RESTORERS



WS 3622 G

Stainless Steel Restorer  *Non-flammable*  *Non-toxic*

Restores damaged stainless steel surfaces, rusted or dirty due to lime buildup or other environmental factors and leaves a long-lasting layer of protection. The effect of WS 3622 G is based on a deep cleaning of the stainless steel, recovering the original finish of the surface and notably increasing its resistance to corrosion.



 8 x 500 ml

3622G0020

 30 Kg

3622G0014

 6 x 1 L

3622G0010

STAINLESS STEEL CLEANERS



WS 3077 S Inox Clean


Foam made for cleaning, polishing and protecting in a single application, formulated for stainless steel surfaces. Its formula makes the treated surfaces clean and shiny, leaving an invisible film that prevents the reappearance of fingerprints and traces. Minimizes the need to clean decorative stainless steel primarily during handling.

 12 x 400 ml 3077S0020



WS 3077 G Inox Clean Non-flammable

Cleaner, polisher and protector in a single application, formulated for stainless steel surfaces. The treated surfaces are left clean and shiny, leaving an invisible film that prevents the reappearance of fingerprints and traces. Minimizes the need to clean decorative stainless steel primarily during handling.

 12 x 1 L 3077G0010

 25 L 3077G0024

 4 x 5 L 3077G0011



ELECTROCHEMICAL CLEANING LIQUIDS



WS 3695 G

Electropickling  *Non-toxic*

Liquid for electrochemical cleaning of TIG welding beads. Eliminates blackening of the weld bead and areas affected by the heat of the electric arc, as well as oxide stains on stainless steels and their alloys.

 6 x 1 L

3695G0090



WS 3696 G

Electropickling and Electropolishing  *Non-toxic*

Liquid for electrochemical cleaning of TIG, MIG/MAG welding beads. Eliminates blackening of the weld bead and areas affected by the heat of the electric arc, as well as oxide stains on stainless steels and their alloys. In addition, it can also be used for polishing, which will restore the shine to the surface of the stainless steel.

 6 x 1 L

3696G0090

1/ Application

2/ Rinsing

3/ Result



WS 3697 G

Electropolishing  *Non-toxic*

Liquid for electrochemical polishing of TIG, MIG/MAG welding beads. Restores the shine of the weld bead and the areas affected by the heat of the electric arc, as well as the oxide stains on stainless steels and their alloys.

 6 x 1 L

3697G0090



WS 3698 G

Neutralizer Acid  *Non-toxic*

Neutralizer for acids used for pickling and passivating stainless steel surfaces. It is applied in all areas where acids have previously been applied in order to neutralize the remains and avoid risks of corrosion.

 6 x 1 L

3698G0090

TITANIUM DEGREASERS



WS 3680 G

Titanium Degreaser



Non-flammable



Non-toxic

Liquid product specifically formulated to degrease all titanium surfaces.

Thanks to its pH close to neutrality, it does not attack metals.

30 Kg

3680G0014



Spraying



Immersion



Recirculation

TITANIUM PICKLING



WS 3682 G Spray

Titanium Pickling Gel for Spraying

Gel specifically designed to eliminate oxidations that may be present on titanium after welding. Thanks to its formulation it is possible to obtain a perfectly clean and shiny surface.

30 Kg

3682G0014



Spraying

ALUMINUM DEGREASERS



WS 3660 G

Degreaser and Rust Remover for Aluminum



Non-flammable



Non-toxic

Product specially designed for degreasing and deoxidizing aluminum. Improves weld quality by eliminating the alumina layer that hinders proper fusion during the welding process.

8 x 500 ml

3660G0020

30 Kg

3660G0014



Spraying



Immersion



Recirculation

COPPER PICKLING



WS 3674 Gel

Copper Bead Pickling Gel

Pickling gel for copper and its alloys, which eliminates the blackening of the weld bead and the areas affected by the heat of the electric arc, as well as oxide stains.

1 x 5 Kg

3674G0005



Brush





Equipment Maintenance

TORCH COOLANTS



WS 3915 G -10°C
Torch Coolant -10°C

Non-flammable

High effectivity coolant specifically formulated and recommended for use in Welding and Cutting Torches of all types, even in the most demanding working conditions. Increases the life of consumables (torch, conduits, pumps).

4 x 5 L **3915G0013**

10 L **3915G0006**



WS 3915 G -20°C
Torch Coolant -20°C

Non-flammable

High effectivity coolant specifically formulated and recommended for use in Welding and Cutting Torches of all types, even in the most demanding working conditions. Increases the life of consumables (torch, conduits, pumps).

10 L **3915G2006**

TORCH MAINTENANCE



WS 3910 G
Torch Degreaser **Non-flammable**

Degreaser specially formulated for cleaning MIG/MAG, TIG, PLASMA and PLASMA Cutting Torches. Thanks to its great cleaning power, it eliminates residues generated by the welding process and more embedded dirt without the need for mechanical efforts or aggressive products.

10 L **3910G0006**

25 L **3910G0024**



WS 3956 S
Wire Assembly - Cable Lubricant

Wire assembly lubricant that facilitates the sliding and assembly of all types of cables. Thanks to its exclusive formula with specific lubricants, this product allows the installation of cables quickly and easily.

12 x 400 ml **WIRES0020**



WS 3955 S
Cable Cleaner and Protector

Product formulated for cleaning, protection and maintenance on the exterior parts of all types of cables. Achieving a shiny finish and a small protective film after application.

12 x 400 ml **3955S0020**

WELDING MASKS MAINTENANCE

Before



After



WS 3101 S Mask Cleaner

New product for cleaning, maintaining and protecting all types of Welding masks along with their moving parts, it also provides a protective and moisturizing layer.

 12 x 400 ml 3101S0020



WS 3102 S Screen Cleaner

New product for cleaning all types of electronic screens. Its formula guarantees a quick and deep cleaning. It does not drip and contains an antistatic additive.

 12 x 400 ml 3102S0020



MACHINES AND EQUIPMENT MAINTENANCE



WS 1832 S Dust Remover

Provides a spray of dry inert gas for rapid removal of dust residue and dry contamination in delicate or hard-to-reach areas on electrical or electronic equipment.

 12 x 300 ml 1832S0020



WS 3025 S Dielectric Degreaser

High purity precision cleaning degreaser based on naphthenic solvents (fast drying) without chlorine, alcohol, or glycol ether. Improves the operation of electrical/electronic equipment by cleaning contacts and components quickly and effectively. Prevents failures and malfunctions of contacts by dissolving and carrying contaminants that can become wet and oxidize contacts.

 12 x 400 ml 3025S0020



WS 3100 G Welding Machines Cleaner



Highly effective cleaner for casings and interior metal parts of all types of welding machines. Removes all types of waste, obtaining a clean surface.

 4 x 5 L 3100G0011



WS 3103 G Welding Tables Cleaner



Special "non-hazardous" welding table cleaner. Its water-based formula contains corrosion inhibitors that prevent oxidation of the metal surfaces on which the product is applied. Do not apply to rusty surfaces.

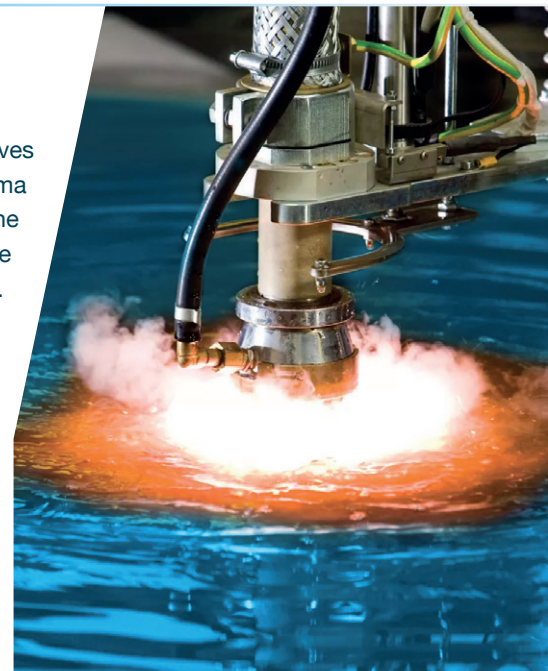
 4 x 5 L 3103G0011



WS 3911 G Corrosion Inhibitor for Plasma Cutting Machines

Synthetic additive that inhibits corrosion and preserves baths, specifically formulated for use on underwater plasma cutting tables as an anticorrosive fluid. The heat from the cutting process and the added moisture in a water table accelerate corrosion, causing freshly cut parts to rust. Adding WS 3911 G to the table is the simplest and most economical way to prevent rust on cut parts, leftover plates and the table itself.

 25 L 3911G0024





Accessories & Equipment

SPRAYERS



WS 9400

500 ml Bottle Sprayer

Manual sprayer suitable for spraying anti-spatter liquids and especially designed for acidic products: pickling agents, passivators, degreasers, etc.

 11 pcs. box 10000007

WS 9402

6L Manual Sprayer

Sprayer with a 6 L tank special for acidic products (pickling agents, passivators and degreasers, etc.). Equipped with lance and acid-resistant materials.

110280000



WS 9403

Pneumatic Sprayer

Special sprayer equipment for pickling agents, passivators and degreasers. Equipped with lance and acid-resistant materials.

100000033

EXHIBITORS

WS 9405

Exhibitor WS Welding

120 Aerosols Capacity.

350000055



BRUSHES



WS 9033

Special Acid Brush 380 mm

Special brush for applying acid products (pickling and passivation agents).

 10 pcs. box 090330000



WS 9035

Special Acid Brush 270 mm

Special brush for applying acid products (pickling and passivation agents).

 36 pcs. box 090350020

PLASTIC TAPS



WS 9404

Plastic Tap for Drums

 25 pcs. box 090340020





■ WS Presence

+75

Countries

225

Distributors

+1000

Sales Points

+90

Product
References

+35

Years of
Expertise



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