



**WELDLINE™**  
by Lincoln Electric

# 7 LIQUIDS & SPRAYS



## WELDING TOOLS AND ACCESSORIES

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# ANTI-SPATTERS

## CERASKIN

### Welding anti-spatters spray with ceramic coating

CERASKIN is a rapid drying ceramic coating spray providing exceptional protection of welding equipment and welded parts from damage caused by spatters.

#### Product features:

- ◆ An exceptionally fast drying, long lasting and durable ceramic coating formulated to withstand the most demanding requirements in the professional welding environment.
- ◆ The ceramic base makes a barrier and prevents weld spatters adhering to welding equipment and welded parts.
- ◆ CERASKIN grants 8 consecutive hours welding work [1 working day], without any further adds of product.
- ◆ Volume: 400 ml [net] - 520 ml [nominal].



2010-382

To order W000277679

## SPRAYMIG H2O

### Anti-spatters spray and liquid

- ◆ Water based and odourless.
- ◆ No influence on porosity and cold cracks.
- ◆ No influence of the content of diffusible hydrogen in the weld metal.
- ◆ Solvent and silicone free.
- ◆ Biodegradable.
- ◆ Allows parts to be lacquered.
- ◆ Easily washed off parts.

#### Description:

- ◆ Spraymig H2O silicone-free water-based anti-spatters based on highly efficient water soluble substances.
- ◆ It prevents spatters from sticking to nozzles, tips, and work pieces robots, and extends nozzle life considerably.
- ◆ It permits rapid changing and cleaning of the nozzles.
- ◆ Painting, galvanizing, lacquering of parts is possible.
- ◆ A preliminary test is recommended.
- ◆ Very low consumption for a high effectiveness.

#### Physical and chemical properties:

- ◆ Aspect: liquid uncoloured clear.
- ◆ Density at 20 °C: 1.00.
- ◆ Pure pH: 7.
- ◆ Volume: Spray: 400 ml [net], 520 ml [nominal] - Drum: 20 liters.
- ◆ Propellant gas: dimethylether.
- ◆ Base: water - based emulsion of organic substances.

**CAUTION:**  
before use, carefully read  
and understand the safety  
datasheet available  
on our websites



2007-394

Spray [400 ml]

Drum [20 liters]

To order W000010001

To order W000011074

## SPRAYMIG SIB

### Anti-spatters spray

- ◆ Silicone based.
- ◆ Do not for use on any parts that are about to be painted.
- ◆ Use on cold parts.
- ◆ Use on nozzles only and outside contact tip.

#### Specifications:

- ◆ SPRAYMIG SIB is a preventive maintenance product for MIG/MAG torches.
- ◆ To be used on cold parts only, do not use on threads or inside contact tips [as the product is electrically insulating].
- ◆ Volume: 400 ml [net] - 520 ml [nominal].
- ◆ Propellant gas: aliphatic hydrocarbons.
- ◆ Base: silicone and isoparaffinic solvent.



2010-382

To order W000011093

## SPRAYMIG SVB

### Anti-spatters spray

- ◆ Silicone free.
- ◆ Compatible with paint.
- ◆ Use on cold parts.
- ◆ Use on nozzles only and outside contact tip.

#### Specifications:

- ◆ SPRAYMIG SVB is an anti-spatters silicone free spray for welding applications.
- ◆ Volume: 400 ml [net] - 520 ml [nominal].
- ◆ Propellant gas: aliphatic hydrocarbons.
- ◆ Base: biodegradable synthetic polymers.



2007-394

To order W000011092

## SPRAYMIG SVD

### Anti-spatters spray

- ◆ Silicone free.
- ◆ Compatible with paint.
- ◆ Use on cold parts.
- ◆ Use on nozzles only and outside contact tip.
- ◆ Dichloromethane solvent.

#### Specifications:

- ◆ SPRAYMIG SVD is an anti-spatters silicone free spray for welding applications.
- ◆ Volume: 300 ml [net] - 520 ml [nominal].
- ◆ Propellant gas: aliphatic hydrocarbons.
- ◆ Base: Synthetic oil not siliconic.
- ◆ Dichloromethane solvent.



2009-250

To order W000271574



# ANTI-SPATTERS

## NETMIG

### Anti-spatters dip

To order W000011071

- ◆ Protects nozzles and contact tips from spatters by immersion.
- ◆ Silicone and solvent free.
- ◆ Odourless.

### Specifications:

- ◆ Prevents spatters adhering:
  - To torch nozzles and contact tips,
  - To positioners and jaws of welding lathes.
- ◆ Does not clog threads or apertures.
- ◆ Does not cause porosity. Silicone and solvent free. Odourless.
- ◆ Base: waxes and oil.
- ◆ Volume: 300 gr.



# ANTI-CORROSION

## GALVASPRAY

- ◆ Protection of welded joints.
- ◆ Permits welded parts to be lacquered.

### Specifications:

- ◆ GALVASPRAY sprays a zinc protective finish.
- ◆ High resistance to oxidation and corrosion (*more than 80 hours in salty fog*)
- ◆ Quick drying (*about 5 minutes*) and no dripping.
- ◆ Volume: 400 ml (*net*) - 520 ml (*nominal*).
- ◆ Propellant gas: propane/butane.
- ◆ Base: zinc powder in a vegetal resin.

### Instructions for use:

- ◆ Clean and degrease the area to be treated.
- ◆ Shake the can before use at least for 1 minute.
- ◆ Spray at 25 cm distance from the piece by short and regular passes.



To order W000011094



# HEAT PROTECTION

## THERMISHIELD

### Heat shield gel

### Description:

- ◆ It is designed to stop heat from travelling through most metals during welding, brazing or soldering.
- ◆ It prevents from distortion of metals and even plastics caused by the heat of a welding torch.
- ◆ Volume: 500 ml

### Instructions for use:

- ◆ Shake well before use and spray the product over the surface to be protected.
- ◆ Use in well ventilated areas only.

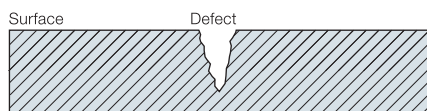


To order W000274839

# CRACKS DETECTION

## FLUXO

This non destructive technique allows the detection of cracks opening on the surface of the plate helping a visual control, due to the cracks becoming visible [30 to 50  $\mu\text{m}$ ].



### A wide range of materials:

Steel, ceramic, plastic, glass...

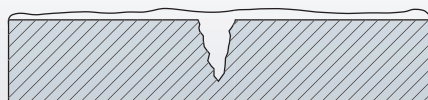
### Many industries:

- ◆ Boilers maker ◆ Founders ◆ Petrochemical
- ◆ Railway ◆ Nuclear ◆ Shipyard ◆ Automotive...



### 1 Cleaning

Product: FLUXO S190 - CLEANER



#### + Product:

- ◆ Perfect cleaning without dry rest.
- ◆ Quick drying (evaporation).
- ◆ Spray: - Spraying in all positions.

Spray based on Butane (extremely flammable).

Solvent: Heptane.

Necessity for protection (petroleum based) solvent.



2012-279

### 3 Cleaning

Product: water



### 4 Developer

Product: FLUXO R175 - DEVELOPER



#### + Product:

- ◆ Thin and uniform film and transparent film. After drying, the white surface appears.
- ◆ Very good surface coverage due to the thin granulometry.
- ◆ Quick drying of the solvent included in the developer.
- ◆ Spray: works in all position.
- ◆ Very good identification of the cracks under white light.

Butane/propane spraying.



2012-278

### 2 Penetrant spray

Product: FLUXO P125 - PENETRANT



#### + Product:

- ◆ Temperature of use: 0 °C to 50 °C. Easy to use even on hot plates.
- ◆ Good impregnation. A single spray lasts more than 30 min without drying.
- ◆ Powerful penetration. Due to its viscosity.
- ◆ Spray: works in all positions.
- ◆ Very good identification of cracks under white light.
- ◆ Easy to remove with water. No "ground" noise.

Butane/propane spraying (extremely flammable).



2012-277

### 5 Inspection of the defects



Cracks are visible at the surface of the plates, thanks to clear vivid red indications easily seen by the naked eye (no UV light required).



See the batch number on the packaging and consult your conformity certificate on our websites



# NON DESTRUCTIVE CRACKS DETECTION



## 1 FLUXO S190 - CLEANER

**Piece degreasing & cleaning  
of penetrant excess.**

Pieces degreasing before application  
of the penetrant.

### Instructions:

Spray FLUXO S190 - CLEANER until  
disappearance of red or purple  
PENETRANT traces.

- ◆ Propellant: Butane / Propane.
- ◆ Volume : 500 ml (*net*) -  
650 ml (*nominal*).

**To order** W000374827



2012-279

## 2 FLUXO P125 - PENETRANT

**Type II - level 2 - Methode AC  
Non destructive testing.**

Localization of the emerging defects.  
Water rinse. Without rhodamine.  
Use temperature 0°C - 50°C.

### Instructions:

Be sure the area is clean. Spray at 20 cm  
FLUXO P125 - PENETRANT for a complete recover  
of the area. Let it penetrate at least 10 minutes.  
Rinse with FLUXO S190 - CLEANER or water.  
Control with FLUXO R175 - DEVELOPER.

- ◆ Propellant: Butane / Propane.
- ◆ Volume : 500 ml (*net*) - 650 ml (*nominal*).

**To order** W000374825



2012-277

## 4 FLUXO R175 - DEVELOPER

**Detection of cracks and surface faults.**

Defects highlight by coloration of the penetrant.  
Daylight review.

**Instructions:** Be sure that the area is clean and without  
penetrant last trace.

Shake the can until hearing clearly the ball bearing.

Spray at 20 cm for an uniform layer without super thickness.  
Wait a few minutes until obtaining a dry powdery film before  
examining the surface.

- ◆ Propellant: Butane / Propane.
- ◆ Volume : 500 ml (*net*) - 650 ml (*nominal*).

**To order** W000374826



2012-278

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and understand the safety  
datasheet available  
on our websites

**Also available: ARDROX**

## ARDROX 9PR5 CLEANER

Degreasing before application of the  
penetrant, elimination of reveler excess.

**To order** W000374531

## ARDROX 9VF2 PENETRANT

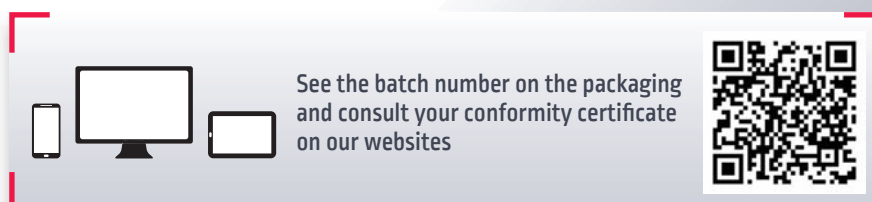
Localization of the emerging defects.  
400 ml net.

**To order** W000374818

## ARDROX NQ1 DEVELOPER

Drying compositions highlighting the defects  
after the reveler action. 400 ml net.

**To order** W000374532





# COOLING LIQUID FOR TORCHES

## FREEZCOOL *[red]* T°-27°C

For manual equipment

FREEZCOOL is a highly elaborated cooling liquid. It is formulated with multi metal corrosion inhibitors for a safe use into all types of circuits. Its thermal stability and dielectric properties make a cooling liquid especially suitable for « high tech » systems.

### General use:

- ♦ Cooling of induction furnaces
- ♦ Cooling of tack welding systems, plasma flares
- ♦ Air conditioning
- ♦ Electric generators
- ♦ Motorcar industry: engines cooling systems, engines and gearboxes testing benches.
- ♦ Cooling of radar systems.

9.6 L

To order W000010167

### Product benefits:

- ♦ Ensures an anti-freezing protection down to -27 °C
- ♦ High electrical resistivity
- ♦ Non volatile *(no product losses)*
- ♦ Chemically stable, does not polymerize
- ♦ Anti-corrosion: contains multi metallic corrosion inhibitors.
- ♦ Anti-algae growth
- ♦ Non toxic
- ♦ Non flammable

### Controls:

- ♦ Freezing point with a refract meter
- ♦ pH control
- ♦ Iron and copper contents

### Physical properties:

- ♦ Physical form: red liquid
- ♦ Base: monopropylene glycol and water
- ♦ Specific gravity: 1.04 at 20 °C
- ♦ pH: 7+/-2
- ♦ Freezing point: -27 °C
- ♦ Resistivity: 105 ohm.cm-1



2004-216

### Packaging:

FREEZCOOL is delivered in 10 kilos net weight, polyethylene drums. For any other type of packaging, please contact us.

Discover also

## FREEZCOOL *[green]* T°-5°C

Coolant for welding and cutting torches. Less viscous, it contains antifreeze but in a less important proportion and anti-corrosion for brass and copper circuit. It is less sensible to friction and therefore it has a more important flow rate.

For automation

9.6 L

To order W000404005

### CAUTION:

before use, carefully read and understand the safety datasheet available on our websites

# LEAKAGE CONTROL

## BUBBLE



A high-return product for leak detection suitable for all gases except high pressure oxygen > 150 bars.

- ♦ Volume: 500 ml *[net]* - 650 ml *[nominal]*
- ♦ Propellant gas: denaturate hydrocarbure
- ♦ Base: mixture of foam compounds
- ♦ Temperature of application: -10 °C/+130 °C

To order W000010963



2007-794

## 1000 BULLES

A leakage controller suitable for all gases except high pressure oxygen > 150 bars.

- ♦ Volume: 400 ml *[net]* - 650 ml *[nominal]*
- ♦ Propellant gas: nitrogen protoxyde
- ♦ Base: lauryether natrium sulfate

To order W000011090



2000-228



See the batch number on the packaging and consult your conformity certificate on our websites



# STAINLESS STEEL TREATMENT

**Weldline proposes a complete range of products for stainless steels treatment.**

There are three essential phases for a good surface treatment:

- 1 **Degreasing**
- 2 **Pickling**
- 3 **Passivation**

The first two are «intermediate phases», which means that they can be repeated in different working stages. The third, passivation, always represents the final treatment step.

## 1 CLEANOX *(Degreasing- Liquid)*

Degreasing is the essential process before any thermal treatment. It avoids incidental remains of oil or dust which interact (*contamination*) with the metal during welding or thermal treatment of stainless steel. It can be repeated in the following phases, in case further thermal processing is required, before the final passivation.

### How to use CLEANOX DEGREASER

Dilute the degreaser with 30% to 50% water and allow it to vaporize on the surface to be treated. Leave for a few minutes to allow the product to act and then rinse with clean water. Do not expose the product or treated surface to sunlight or to any atmospheric agents.



2008-383  
CLEANOX L (liquid) 6 kg

**To order** W000266423



2008-385  
CLEANOX L (liquid) 30 kg

**To order** W000266425

## 2 PICKLINOX *(Pickling - Product in gel, paste or liquid)*

Pickling is the operation that permits the remove of all oxides after welding, removing the surface layer following a thermal treatment. It is the most important step in the treatment process. A welding bead and generally a heated surface, lose their stainless property ( $Cr < 12\%$ ). For this reason, a pickling operation does not mean only cleaning the welding bead but it restores the stainless steel characteristics.

### How to use PICKLINOX GEL or PASTE

Degrease the surface to be treated with the specific CLEANOX product. Then apply a coat of PICKLINOX paste or gel. The exposure time will vary from a few minutes up to 30 minutes depending on the type of steel being welded. At the end of treatment, remove the gel or the paste with clean water. Do not expose the product or treated surface to sunlight or to any atmospheric agents.



2008-387  
PICKLINOX G (gel) 2 kg

**To order** W000266426

2008-386  
PICKLINOX G (gel) 10 kg

**To order** W000266427



2008-388  
PICKLINOX P (paste) 2 kg

**To order** W000266428

PICKLINOX P (paste) 10 kg

**To order** W000266429



2008-382  
PICKLINOX L (liquid) 30 kg

**To order** W000266422



## 3 RESTORINOX *(Passivation - Product in gel)*

This is the final phase of the process, and is absolutely necessary for restoring the stainless property. With passivation is created a «desired oxidation». In fact this working phase restores the chromium layer damaged by heat shortening the spontaneous oxidation time. In this way, the oxide layer which protects the surface from external agents is restored.

### How to use RESTORINOX

First degrease and pickle the part to be treated with CLEANOX and PICKLINOX. Then apply the product. The times required for exposure will vary from 20 minutes up to 60 minutes. At the end of the treatment remove the product with clean water. Do not expose the product or treated surface to sunlight or to any atmospheric agents.



2008-389

RESTORINOX G (gel) 2 kg

**To order** W000266430

2008-390  
RESTORINOX G (gel) 10 kg

**To order** W000266431



2008-384  
RESTORINOX L (liquid) 30 kg

**To order** W000266424

Paintbrush  
Compatible  
with acid.



**To order** W000267116

2007-810



# CLEANING, POLISHING AND MARKING OF STAINLESS STEELS

## OPTICLEAN II

**Inverter-technology installation for  
cleaning, polishing and marking of stainless steels.  
Use on TIG welds.**

### Your benefits:

- ♦ **AESTHETIC:** no stains on the steel after cleaning.
  - ♦ **ECOLOGICAL:** no need to wear gloves or protective masks with the neutral solution. Large outdoor areas are not required: no toxic vapor emissions, no need for water treatment plant.
  - ♦ **ECONOMIC:** no passivation after cleaning
  - ♦ **GAIN OF PRODUCTIVITY:** no need to dip the pump into the liquid and to interrupt the operation several times.
- Improvement of the quickness while increasing current.  
Efficiency increased with the carbon blush.



**INVERTER  
TECHNOLOGY**

OPTICLEAN II	To order
Machine OPTICLEAN II including :	W000382322
Torch	W000275260
Torch support	W000382323
Torch support extension	W000382325
Ground cable	W000375139
Torch power cable	W000375141
2,5 mm Allen key	W000382326
Brush	W000382329
Standard graphite insert 90°	W000382571
Narrow graphite insert 90°	W000382572
Standard TIG Bond pad 90° (by 10)	W000272348
Narrow Tig Bond pad 90° (by 10)	W000272351
Brill Bomar solution (100 ml)	W000272347
Brill Bomar solution (1,5 l)	W000387219
Neutral Bomar solution (100 ml)	W000272038
Neutral Bomar solution (1,5 l)	W000387218
Neutralizing solution Inox Fit 500 ml	W000274842

Optional	To order
Marking Kit INCLUDING :	W000271936
Black marking electrolyte 100 ml	W000272041
Erosion white marking electrolyte 100 ml	W000382573
Graphite marking insert 35 mm	W000272039
Marking felts insert	W000272040

Marking stencils dimensions	To order
25 x 15 mm	W000386781
54 x 16 mm	W000386780
54 x 32 mm	W000386779
85 x 27 mm	W000386785
85 x 54 mm	W000386786
128 x 42,5 mm	W000386787
128 x 85 mm	W000386782
170 x 54 mm	W000386783
170 x 108 mm	W000386784

Available sizes for the marking : 54 x 32 mm / 85 x 54 mm / 128 x 42,5 mm / 170 x 54 mm.  
You just have to send your logo with the chosen dimensions.

**You can simply order the marking kit and a cliché, providing us with your logo or any other writing: you can mark the product at least 500 times !**

Technical data	OPTICLEAN II
Supply Voltage	230 V / 1Ph
Frequency	50/60 Hz
Capacity	450 W
Electrode Voltage	10/30 V AC/D
Isolation Class	IP 23
Noise level	< 10 dB [A]
Machine weight (empty)	7 kg
Machine dimensions	3 300 x 230 x 240 mm

See the video



### 1 - Cleaning

Place the cleaning solution onto the torch and choose whether you want to use the pad or the brush, which gives better access to angles that are difficult to reach. Rub the weld till its colour becomes clean.



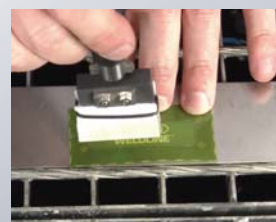
### 2 - Polishing

Place the polishing solution onto the torch and choose whether you want to use the pad or the brush. Rapidly, as you rub the weld, it will start to shine. Wipe your steel with a cloth rag in order to avoid stains.



### 3 - Marking

Take the appropriate suitcase containing both marking and eroding electrolytes. Rub the marking felt moistened with the electrolytic solution on the screen printing frame. Your logo is printed on the metal.



**CAUTION:**  
before use, carefully read and understand the safety datasheet available on our websites

