PRODUCTS FOR WELDING

Liquids, sprays and doughs

SPECIAL WELDING LIQUID COOLANT

Ref. 2 l : 082212 | 5 l : 062511 | 10 l : 052246

FOR LIQUID-COOLED UNITS

The special welding liquid coolant is essential to optimise and preserve the performance of your spot welding machine's cooling circuit.
Its unique anticorrosive and low-conductivity formula reduces electrolysis effects. The liquid prevents the accumulation of deposits and cooling circuit obstruction compared to a standard liquid.

Chemical features	
Colour	Colourless
pH (product at 20°C)	4 - 7.5
Conductivity (product at 20°C)	4 microS/cm
Density	1.034 kg/l
Life cycle in the products	~2 years
Capacity	10 L (ref. 052246) 5 L (ref. 062511)

- Its low conductivity limits electrolysis risks of the cooling circuit and prevents sediments from causing cooling circuit obstructions.
- Anticorrosion when in contact with heavy metals.
- Frost resistant up to -20°C, operating in the most difficult conditions.
- The ready-to-use formula can be used without dilution.

ANTI-SPATTER LIQUID

Ref. 054134

Tested and certified for welding, this anti-spatter liquid avoids adhesion of welding spatters on work pieces, equipments and tools.
Protects any type of metallic surface and dissolves grease and oil residues. An after-welding clean-up with a dry rag is enough to remove the product.
Spray on the work pieces or equipment before welding or cutting. The use of the spray guarantees a thin, optimal distribution and maximum efficiency.

Chemical features	
Composition	Ethoxylated alcohol
Colour	Green
Appearance	Liquid
pH value	7.2
Initial boiling point	100 °C
Density at 20°C	0.98 g/ml
Viscosity at 20°C	9.5 sec.
Water solubility	Miscible
Shelf life	> 6 months
Capacity	10 L

Instructions

1		Fill up the spray's reservoir.
2		Spray lightly on the surface to protect from spatters.
3		After welding, remove the product with a moistened cloth.

+ Silicon, non-flammable and biodegradable.
+ With an integrated cleaning function (cleaning agent)
+ Covering up weld with no porosity.
+ Reducing costs and time-saving by eliminating touch-ups.
+ Increasing quality due to clean projection free metal surfaces.
+ Spray Protec® optional (ref 054127) :
  - Special internal protective coating to resist corrosion.
  - Capacity : 500 ml

CERAMIC PROTECTIVE SPRAY

Ref. 054141

The ceramic varnish leaves a white film which resists high temperatures (1600°C) when it is dried. This film provides optimal protection and endurance against welding splatters for sensitive torch elements (contact tubes, gas nozzles).

Chemical features	
Composition	Petroleum products
Colour	White
Apperance	Aerosol
Density at 20°C	0.22 g/ml
Shelf life	> 6 mois
Capacity	400 ml

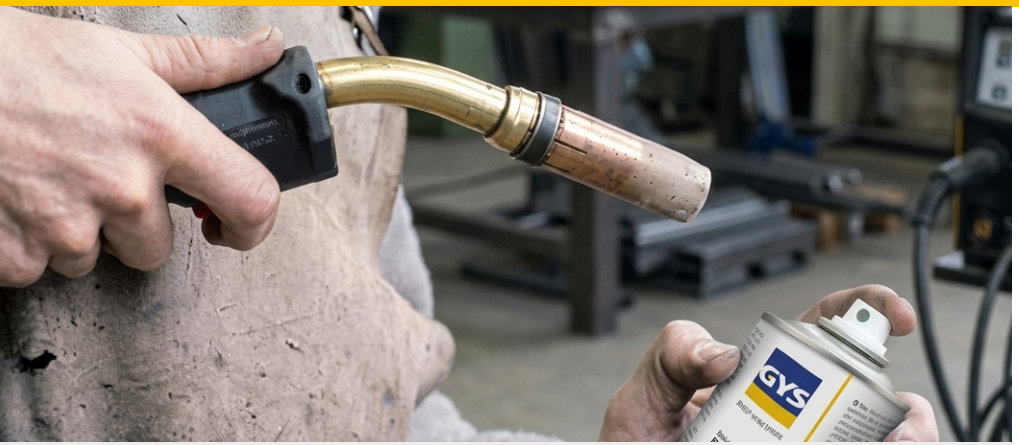
Instructions

1		Shake the spray for 30 sec.
2		Spray continuously on the end of the torch.
3		Wait 5 sec. until it dries before welding
4		After using the spray, clear the nozzle with a brief upside down spray.

- Fast drying : 5 sec.
- Increases tube contacts and gas nozzle longevity.
- Silicon free.
- Removes smoke emissions made by the spatters.
- Avoids clogging through carbon accumulation.

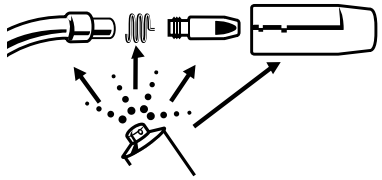
NON-ADHEVISE SPRAY

Ref. 041806



The non-adhesive spray cleans and maintains welding gas nozzles. It also protects the work piece against welding spatter without damaging the weld bead.
Without silicone it is compatible for post-welding operations and can be used on surfaces which need to be painted, stuck or varnished.

Chemical features		
Composition		Petroleum products
Colour		White
Appearance		Aérosol
Steam pressure	**20°C**	4.5 bar
	50°C	7.0 bar
Density at 20°C		0.59 g/ml
Went strength		Insoluble
Capacity		400 ml



- Silicon free, non-flammable, non-corrosive.
- Leaves no streak, rinses off easily with water.
- Provides complete protection when welding.
- Allows a good quality weld.
- No need to clean work pieces with a trowel, a brush or a chisel.

ANTI-ADHESIVE DOUGH - 450 g

Ref. 090576

The anti-adhesive dough protects sensitive parts of the torch (contact tube, gas nozzle) against welding spatters.
After welding, immerse the end of the MIG torch in the dough to reduce spatters adhesion.

Instructions

1		After welding, immerse the end of the torch in the pot.
2		To avoid the obstruction of the gas hole, rest the torch, gas nozzle downwards.

Chemical features	
Color	White
Apperance	Gel
Solidification point	60 °C
Combustion point	Non-flammable
Water resistance	Insoluble
Capacity	450 g

- Silicon free and non toxic.
- Non-flammable.
- Increases contact tubes and gas nozzles longevity
- Increases the arc stability for a better gas flow.
- 100% of active product, without solvent and water.

CONTACT GREASE TUBE

Ref. 050440

IMPROVEMENT OF CONDUCTIVITY

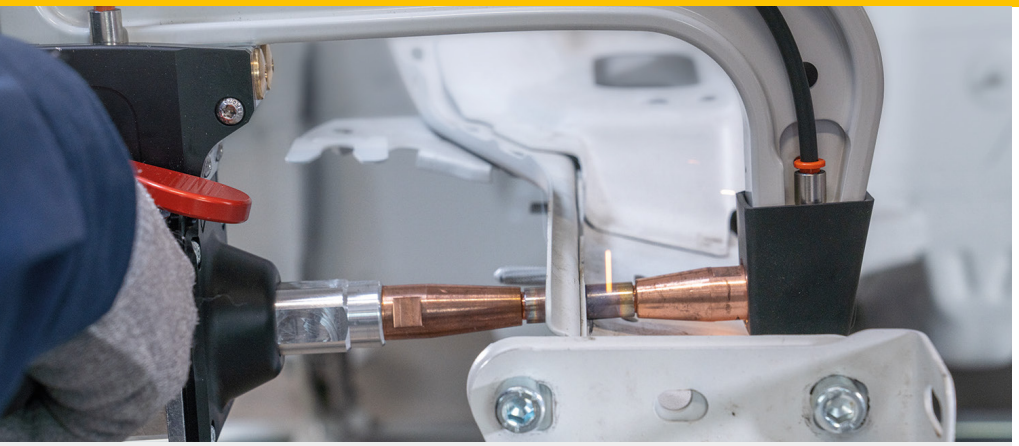
Professional copper conductivity grease, strongly recommended for spot welding machine arms requiring a clear and lasting electric contact. Avoids oxidization, dampness and allows an easy disassembly afer several uses.
This product can be used on copper, brass, cast iron, steel, and all alloys including stainless steel.

Chemical features	
Composition	Mineral-based grease
Colour	Copper
Appearance	Dough
Dropping point	> 300 °C
Flash point	> 200 °C
Density at 15°C	0.93
Worked penetration	340 (10^{-1} mm)
Application temperature	-30 to 1000 °C
Auto-flammability	400 °C
Wet strength	Insoluble
Welding load	2500 N
Capacity	100 g

- Absence of heavy metals
- Efficient even after the liquid phase.
- Facilitates electrical and thermal transfers.
- Excellent anti-jamming properties.
- Eliminates static electricity.
- Very high anti-corrosion power.

ANTI-CORROSION WELDING PRIMER

Ref. 076822



Natural welding protection dough against corrosion.
For use between spot welding metal sheets, clean and greaseless with no rust marks.

Chemical features	
Composition	Petroleum products
Colour	Black
Appearance	Dough
Melting fusion	< -15 °C
Boiling point	> 160 °C
Flash point	56 °C
Combustion point	> 240 °C
Vapor pressure	40 hPa
Density	0.86 g/cm^3
Wet strength	Insoluble
Capacity	500 ml

Instructions

1. Before welding, clean rust streaks if needed.
2. Place the dough with a paintbrush between the metal sheets
3. The metal sheets are ready to be assembled.

+ Antirust and conductor product
+ Good adhesion on all metals.
+ Fast dry with oxydative effect and no hairline cracking.
+ Resistance to abrasion.
+ Always ready to use.
+ High covering power : 500 ml is enough for 8 m^2 for a layer thickness of 30 µm (0.03 mm).

THERMAL BARRIER GEL SPRAY

Ref. 054325

Cool Gel is a gel that stops the progression of heat on a material during welding. This gel prevents heat from spreading around the welding zones. It prevents, on painted parts, that the paint turns brown under the effect of temperature.

Chemical features	
Color	Transparent
Appearance	Gel
pH value	7
Water resistance	Soluble
Grease resistance	Insoluble
Melting point	0°C
Boiling point	100°C
Capacity	~1L

Instructions

1	 3 sec.	Shake the gel for 3 sec.
2		Spray generously on the material to be protected.
3		The material is thermally protected, you can start welding.

- Stops heat progression during welding to avoid high temperature damage.
- Prevents painted surfaces from turning brown under the influence of heat.
- Ideal for soldering and aluminium.
- Does not leave a trace, rinses off very easily with water.
- Non-toxic, skin-friendly and odourless.
- Self-evaporates in 24/48H, leaves no residue.

COOLING SPRAY

Ref. 048898 (x12)

Liquefied gas allowing the cooling of all mechanical or electronic parts.
The temperature is lowered for a short time to -50°C.

Chemical features	
Color	Colorless
Appearance	Liquefied gas
Water resistance	Insoluble
Boiling point	-26.5 °C
Auto-flammability	> 200 °C
Density at 25°C	1.13 g/cm^3
Vapour pressure (20°C)	449 kPa
Capacity	400 ml

Instructions

1		Shake the aerosol.
2		Spray generously on the part to be cooled.
3		The material cools to -50°C a few seconds before to rise in temperature.

- Cools all parts and surfaces instantly (down to -50 °C).
- Prevents damage during welding.
- Non-corrosive refrigerant.
- Constant flow and pressure thanks to its precise diffuser.
- Leaves no trace after evaporation.