



Specialty Chemical Manufacturer for
Industry, Aviation and Retail

CAL-GUARD ANTI-SPATTER SPRAY

DESCRIPTION

Cal-Guard Anti Spatter Spray is a water based, paintable, cost effective and non-flammable agent for the prevention of weld-sp[atter adhering to metal surfaces during the welding process.

Cal-Guard Anti-Spatter Spray has outstanding performance preventing spatter sticking to a wide range of steels, including mild steel, stainless, steels and aluminium.

Cal-Guard Anti-Spatter Spray avoids the need for mechanical abrasion or grinding of weld spatter following welding.

PHYSICAL PROPERTIES

Appearance	:	Light red mixes freely with water
Boiling Point (Deg C)	:	100°C
Specific Gravity	:	1.008

BENEFITS

- Non toxic, biodegradable
- Non-flammable
- Ozone Safe
- Uniform spray with no air bubbles
- Paintable, contains no silicones
- User safe



DIRECTIONS FOR USE :

Spray Cal-Guard before welding in a thin and uniform film onto the areas to be protected. Hold spray can approximately 30cm from the surface to be protected. Also use the spray to protect the interior and exterior of nozzles, the end and outer surface of contact tips, and all other potential areas which are subject to weld spatter. It may be advisable to spray diffusers and the base of the nozzle support as well.

CALLINGTON HAVEN PTY LTD



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ACCREDITED QUALITY SYSTEM
CERTIFIED AS / NZS ISO 9002

NOTE

To remove Cal-Guard after use, clean the surface with Prosol Solvent Degreaser or equivalent steel compatible degreaser.

CAUTION

Avoid contact with eyes. Used in a well ventilated area. Avoid prolonged skin contact (>24 hours.)

Other Callington speciality metal treatment :

- S-Weld Clean Pickling Gel : For removal of weld scale from stainless steel & high performance alloys
- S-Weld Neutralizer : For the neutralising of acidic pickling waste.
- S-Weld Passivator : An oxidising agent for passivation of stainless steel & high performance alloys.
- Prosol Cleaner & Degreaser : All purpose metals & cleaner.
- Metaprep No. 1 : Metal desoxidiser & cleaner
- Alu-Weld Gel : Aluminium weld scale remover & brightener
- Albright ; Aluminium brightener & cleaner

PACKING

Cal-Guard anti spatter spray is available in 1 litre, 5 litre or 20 litre drums. 500ml trigger spray packs available on request.

WARRANTY - All statements, information and data presented herein are believed to be accurate and reliable but are not to be taken as a guarantee, expressed or implied, for which seller assumes legal responsibility, and they are offered solely for your consideration, investigation and verification. Statements or suggestion concerning possible use of this product are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe on any patent.



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WELDBRITE

STAINLESS STEEL PICKLING GEL

DESCRIPTION

Welbrite utilises innovative Australian technology for the formulation of a high adhesion stainless steel pickling gel. It is used to remove the black oxide marks or burn scale left during welding of stainless steel. After use of Welbrite the weld area should have the same look as the rest of the steel being used. Welbrite leaves a clean professionally finished stainless steel weld area.

PHYSICAL PROPERTIES

Boiling Point	: N/A
Specific Gravity	: 1.15
Water Solubility	: miscible
pH(as supplied)	: <1.0
Appearance & Colour	: Opaque, white acidic gel, pungent acidic odour

Welbrite Pickling Gel

Is a strong ASTM A 380 compliant formulation
A thick high adhesion gel
Effectively removes free iron
Provides fast acting, one step descaling
Completely water soluble
Supplied with application brush

Welbrite Pickling Gel gives you

Rapid pickling and cleaning of weld area and the heat affected zone
Enhancement of the auto passivation process
Efficiency in fabrication
Non residual treatment
Easy to use, even on vertical surfaces



BENEFITS

- Quick acting
- One step treatment
- Completely water rinsable
- Convenient size packs - no wastage
- Can be used on vertical surfaces

DIRECTIONS FOR USE :

1. Clean the weld area carefully using a stainless steel brush.
2. Shake the contents of the Welbrite for 10-20 seconds prior to opening the container to ensure a smooth consistency, especially if the container has not been used for a long time.
3. Ensure that the surface is cool before applying the Welbrite paste.
4. Apply the Welbrite gel to the area to be cleaned, using the brush provided.
5. Leave the gel on for approximately 10 minutes. On some types of stainless steel this could take longer.
6. To remove the gel, rinse with water, it may be necessary to scrub the area with a stainless steel compatible scotch brite pad to remove any visible etching to match the remaining surface.

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- Note
1. Wear gloves and goggle, avoid spillage or splashed. Do not allow to come in contact with the body. If skin contact occurs, apply Calcium Gluconate gel.
 2. Avoid contact with eyes or breathing any vapour.
 3. Replace the lid on the container tightly and store upright in a cool dry area away from direct sunlight. Do not store or use below 5°C.
 4. Welbrite has a recommended shelf life, in good storage conditions, of twelve (12) months.

PACKING SIZES

Welbrite is available in 1kg, 2.5kg and 20kg packs.

SAFETY PRECAUTIONS

CAUTION: This product contains Hydrofluoric Acid and Nitric Acid and is corrosive and poisonous.

Wear appropriate clothing i.e. rubber gloves, rubber apron, rubber boots, long sleeve shirt and full face shield or clear goggles.

Do not use Welbrite near open flames or cutting torches, since a hazardous flammable gas can be generated. Keep lid tightly closed when not in use. Store in a cool, dry spot away from direct sunlight. Keep out of reach of children. If using in poorly ventilated areas, use a respirator equipped with a chlorine type filter.

If you have to neutralise the Welbrite residue this can be done using S-Weld Neutralizer neutralising solution. Add S-Weld neutralizer neutralising solution until the colour changes to a pale pink colour.

Refer to the Callington Haven Welbrite Material Safety Data Sheet for further safety information. A copy of this sheet can be obtained on request from our office.

OTHER CALLINGTON HAVEN METAL TREATMENT CHEMICALS

- | | | |
|--------------------------|--------------------|---|
| <input type="checkbox"/> | S-Weld Passivator | passivating gel |
| <input type="checkbox"/> | Steel Bright | pickling solution |
| <input type="checkbox"/> | Cal-Guard | anti-spatter spray |
| <input type="checkbox"/> | Prosol | non-toxic, biodegradable stainless steel cleaning solvent |
| <input type="checkbox"/> | S-Weld neutralizer | neutralising solution |

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Specialty Chemical Manufacturer for
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S-WELD PASSIVATOR

PASSIVATING GEL FOR STAINLESS STEEL

DESCRIPTION

S-Weld Passivator is a powerful oxidising gel for the passivation of stainless steel fabricated products.

S-Weld Passivator can be used following pickling, grinding or mechanical polishing of stainless steel to ensure a passive surface is obtained prior to installation or commissioning of the final product.

PHYSICAL PROPERTIES

Boiling Point	:	N/A
Specific Gravity	:	1.20
Water Solubility	:	miscible
pH(as supplied)	:	<1.0
Appearance & Colour	:	Thick white translucent gel, mixes with water. Oxidising agent



BENEFITS

- ▶ Gel consistency for ease of application
- ▶ Enhancement of chrome oxide corrosion resistant (passive) layer
- ▶ Dissolves any residual surface contamination
- ▶ Improved quality of fabricated product

DIRECTIONS FOR USE :

1. Clean the area to be treated with a solvent cleaner such as **Callington Prosol** or equivalent.
2. Stir the gel to ensure a smooth consistency and apply S-Weld passivator using the acid resistant brush provided.
3. Leave the gel on the surface for 1 to 6 hours depending in the grade of stainless steel to be treated and the nature of the environment for which the fabricated item will be subjected.
4. To remove the gel, rinse thoroughly with water or Callington S-Weld Neutralizer, neutralising solution.

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Note :

1. Wear PVC gloves, goggles, overalls and safety boots. Wear a respirator if working in a confined or poorly ventilated area.
2. Avoid spillages and do not allow gel to come in contact with the body or eyes. Avoid breathing vapour.
3. If skin contact occurs, immediately flush body and / or clothes with water. Remove all contaminated clothing.
4. Replace the lid on the container tightly after use, and store upright in a cool dry area away from direct sunlight. Do not store or use below 5°C.
5. S-Weld Passivator has a recommended shelf life of twelve (12) months if stored as per above conditions (item 4).

PACKING

S-Weld Passivator is presented in a 2.5kg security cap plastic container, and each pack includes an acid resistant application brush.

SAFETY PRECAUTIONS

CAUTION : This product contains Nitric Acid and is corrosive and poisonous.

Wear appropriate chemical protective clothing, eye protection and breathing apparatus as necessary.

Do not use S-Weld Passivator near open flames or cutting torches, since hazardous flammable gas can be generated. Keep lid tightly closed when not in use, and out of reach of children or unauthorised users.

If using in a poorly ventilated area, use a respirator.

If you require to neutralise the acidic waste residue; this can be done using S-Weld Neutralizer neutralising solution. Add using S-Weld Neutralizer until the colour changes to a pale pink colour.

Refer to the Callington Haven S-Weld Passivator Material Safety Data Sheet for further safety information. A copy of the material Safety Data Sheet can be obtained on request from our office.

OTHER CALLINGTON HAVEN METAL TREATMENT PRODUCTS

- | | |
|------------------------|--|
| ▶ S-Weld Clean | Pickling gel |
| ▶ Steelbright | Pickling solution for spray & dip applications |
| ▶ S-Weld Neutralizer | Neutralising solution for acidic waste |
| ▶ S-Weld Spatter Guard | Non-toxic anti-spatter spray for stainless steel |
| ▶ Prosol | Non-toxic, biodegradable, solvent degreaser |
| ▶ Cal-Guard | All purpose anti-spatter spray |
| ▶ Metaprep No. 1 | Deoxidising degreaser solution for stainless steel & aluminium |
| ▶ Alu-Weld | Ore or post weld aluminium deoxidising gel cleaner |
| ▶ Albright | Acidic aluminium detergent cleaner & brightener |
| ▶ S-Weld Brite Wash | Stainless steel cleaner & corrosion remover |

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