

## TECHNICAL DATA SHEET

# STEEL BRIGHT

Code 1110

***Stainless Steel Pickling Solution for Spray & Dip Applications  
Conforms to ASTM a380-17 Standard Practice for Cleaning, Descaling and Passivation  
of Stainless Steel Parts, Equipment, and Systems***

### DESCRIPTION

Steel Bright is an Australian formulated solution for stainless steel pickling. It is used to remove weld scale or rust and brighten stainless steels. Steel Bright leaves the stainless steel looking perfectly clean, for a professional finish

### PHYSICAL PROPERTIES

Boiling Range : Not Available  
 Specific Gravity : Not Available  
 Water Solubility : Miscible  
 pH (as supplied) : < 1  
 Appearance & Colour : Clear colourless acidic liquid. Pungent acidic odour.

### BENEFITS

- Quick acting
- One step treatment
- Completely water rinseable
- Convenient size packs - no wastage

### DIRECTIONS FOR USE

1. Ensure surface to be treated is free of oil and grease. Clean with Callington S-Weld Brite Wash or a suitable degreaser or alkaline detergent.
2. Apply Steel Bright by dip immersion, wiping or spraying using a non-atomising acid resistant pump.

**DO NOT OVER PICKLE - the best results are obtained by continuous visual inspection of the surface.**

Grade	Pickling Time	Temperature °C
200, 300, 400 Series	5 - 30 minutes	21 - 50
Duplex Grades	60 - 90 minutes	21 - 50
Super Duplex	80 - 120 minutes	21 - 50

3. Rinse thoroughly with clean potable water, the best results are obtained by the use of a high pressure water jet or similar.

### Note

1. Wear suitable PVC overalls, gloves, goggles and footwear; avoid spillage or splashes.
2. Replace lid on container and store upright in a cool, dry area away from direct sunlight and heat.
3. Steel Bright has a shelf life, in good storage conditions, of up to 18 months.

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**PACKAGE SIZES** - Steel Bright is packed in 5 litre, 20 litre and 200 litre sizes.

### SAFETY PRECAUTIONS

**CAUTION:** This product contains hydrofluoric acid and nitric acid and is corrosive and poisonous.

Do not use Steel Bright 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.

Should only be used and available for industrial and manufacturing purposes.

Steel Bright is highly acidic.

Avoid contact with the skin and contact with the eyes even for short periods can cause blindness.

Avoid breathing its vapours. Wear protective clothing, i.e. rubber gloves, PVC overalls, long sleeve shirts and clear goggles.

**CAUTION** - Steel Bright contains hydrofluoric acid direct contact with the acid must be avoided. Rinse thoroughly every splash.

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

### FIRST AID

If poisoning occurs contact a doctor or Poisons Information Centre if swallowed. Do not induce vomiting. Give a glass of water. If skin contact occurs remove contaminated clothing, wash skin thoroughly, immediately apply calcium gluconate gel. If in eyes hold open, flood the eyes with water for at least 15 minutes - see a doctor immediately.

### OTHER CALLINGTON METAL TREATMENT PRODUCTS

S-Weld Clean	- Pickling paste
S-Weld Passivator	- Passivating paste
S-Weld Neutraliser	- Neutralising solution for acidic pickling paste
Albright	- Aluminium brightener & cleaner
Alu-Weld	- Aluminium weld scale cleaner
S-Weld Spatter Guard	- Non-toxic anti-spatter spray
Cal-Guard	- Anti-spatter spray
Prosol	- Non-toxic, biodegradable solvent degreaser, finger print cleaner
Metaprep No.1	- Deoxidising solution and metal surface cleaner
S-Weld Brite Wash	- Stainless steel cleaner & corrosion remover

**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 suggestions 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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