



**TATA**

Tata Steel International (Australasia) Ltd

# Welding Wire & Cleaning Chemicals

**Stainless Steel**

**TATA STEEL**

# SECTION I

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# Corvus Metals

# CHEMICAL PRODUCTS - POST WELD TREATMENT

## Avesta Gel 122



### Applications

- Standard and more high-alloyed steel grades such as 304, 316, 904L
- Cold and hot rolled plates
- MIG / FCW / stick electrode welds
- Brush pickling of weld seams & smaller surfaces
- Use and storage in warmer climates (the gel is heat stable up to +45°C)

## Avesta Blue One



### Applications

- Standard Steel Grades T304 & T316
- Cold rolled plate
- 2B and 2D finishes
- Medium layers of welding oxides (eg TIG, MIG & SAW)
- Low nitrous fume levels (eg pickling inside tanks)
- Pickling at room temperatures (10 - 30°C)

## Avesta Red One



### Applications

- High-alloy steel grades such as 904L, duplex and SMO
- Rough, hot rolled surfaces
- Thick layers of welding oxides (e.g. welding with covered stick electrodes or flux-cored wire)
- Pickling at low temperatures, <+5°C
- Short pickling times
- Overnight pickling (does not dry out)

## Avesta First Aid Spray



### Applications

- For use with Avesta pickling paste / gel / spray
- Suitable for eye and skin splashes
- Carefully tested, recognised throughout Europe
- Details on use and limitations available from Corus Metals

## Avesta Moly-Drop Test



### Applications

- Quick chemical test to differentiate between T304 and T316 stainless steel
- Identify your stock or scrap in 5 - 10 minutes
- Colour changes from yellow to brown, in the presence of molybdenum
- Approx 200 tests per 30ml bottle

**NB** Material safety data sheets are available on request \* Neutralising agent for treating waste is also available

# CHEMICAL PRODUCTS - ORIGINAL FINISH CLEANER

## Rust Remover



### Applications

- Corrosion
- Pre-cleaning before pickling
- Mild steel contamination
- Pet urine stains
- Water staining, water scale, lime deposits
- Rouging, iron deposits
- Road salt stains
- Sea water stains
- Rust caused by sulphuric precipitation in rainwater
- Rust caused by brake dust

\* for heavy corrosion pickling may be required

## Fingerprint Remover



### Applications

- Fingerprints on bright surfaces
- Sensitive bright surfaces
- Bacteria and germ build up
- Light oil and grease residue
- Dirt or dust

## Grease Remover



### Applications

- Cooking oils, grill oil residue
- Lubricating oil, grease desposits
- Coffee, tea or soda stains
- Bacteria and germs
- Road grime
- Cigarette burns
- Ink marks
- PVC coating residue (from the protective plastic film on stainless steel
- Paint\*
- Rubber marks\*
- Labels or glue\*
- Residue from oil based cleaners\*

\* in some cases a solvent may be required

## Where to use OriginalFinish™

### Area

Commercial / Residential kitchens

### Typical Applications

Range hoods, stoves, countertops, walls, refrigerators, microwaves, grills, sinks, splash shields, dishwashers, other appliances, trim

Building Interiors

elevators, escalators, countertops, walls, handrails, fixtures, drinking fountains, other stainless trim

Building Exteriors

walls, benches, handrails, gates, doors, frames, hinges, lamposts, architectural trim

Commercial Bathrooms

Toilets, urinals, stall walls, countertops, sinks

Transportation

Rapid transit cars, buses, aircraft, cargo containers, automotive trim, wheel covers, rims, fastener parts

Hospital / Medical

Autoclaves, bed frames, walls, handrails

Architectural art

Cloud Gate Sculpture (The Bean) Chicago USA  
The Guggenheim Bridge in Bilbao, Spain  
The Twin Tower in Kuala Lumpur, Malaysia

# WELDING PRODUCTS

The following products are available - ex mill (other sizes may be available)

<b>MIG Wire</b>	0.8 - 2.4mm	Spool weight = 15 kg BigOne drum weight = 250 kg
<b>TIG Wire</b>	1.0 - 3.2mm	Box weight = 5 kg Length = 1000 mm
<b>Submerged Arc Wire</b>	2.4 - 4.0mm	Coil weight = 28 kg
<b>Flux Cored Wire</b>	0.9 - 1.6mm	Spool weight = 5 - 17 kg depending on wire diameter
<b>Electrodes</b>	1.6 - 5.0mm	Length = 250 - 450 mm depending on electrode diameter
<b>Welding Strip</b>	0.5 mm	Coil weight = 25 kg
<b>Flux</b>		Sack weight = 20 - 25 kg



Welding Consumables are available in the following Stainless Steel Grades - ex mill

<b>Austenitic</b>	308L, 308H, 347, 316L, 317L, 318
<b>Duplex (Austenitic / Ferritic)</b>	2205, 2507/P100
<b>Fully Austenitic</b>	904L, 254 SFER, 383, P6, P12, P16, P54, P625
<b>Heat Resisting</b>	309, 310, 253 MA, 353 MA
<b>Martensitic</b>	248 SV, 739 S
<b>Special Types</b>	307, 309L, P5, P7, P9, P10



## Tata Steel International (Australasia) Ltd

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<b>Head Office</b>	7 Bruce Roderick Drive East Tamaki Phone 09 271 1780	PO Box 58880, Botany, Manukau 2163 Fax 09 271 1970 Email: <a href="mailto:headoffice@tatasteelnz.com">headoffice@tatasteelnz.com</a>
<b>Auckland</b>	7 Bruce Roderick Drive East Tamaki Phone 09 271 1781	PO Box 58880, Botany, Manukau 2163 Fax 09 271 1799 Email: <a href="mailto:auckland@tatasteelnz.com">auckland@tatasteelnz.com</a>
<b>Mt Maunganui</b>	18 MacDonald Street Phone 07 574 0095	PO Box 4158, Mt Maunganui South 3149 Fax 07 574 0096 Email: <a href="mailto:tauranga@tatasteelnz.com">tauranga@tatasteelnz.com</a>
<b>Hamilton</b>	27 Ellis Street, Frankton Phone 07 847 8456	PO Box 1133, Waikato Mail Centre 3240 Fax 07 847 0354 Email: <a href="mailto:hamilton@tatasteelnz.com">hamilton@tatasteelnz.com</a>
<b>Hastings</b>	807 Warren Street Phone 06 876 3360	PO Box 14043, Mayfair, Hastings 4159 Fax 06 876 3411 Email: <a href="mailto:hastings@tatasteelnz.com">hastings@tatasteelnz.com</a>
<b>New Plymouth</b>	Cnr Connett Road & Mustang Drive, Bell Block Phone 06 759 9382	PO Box 3094, Fitzroy New Plymouth 4341 Fax 06 755 7575 Email: <a href="mailto:newplymouth@tatasteelnz.com">newplymouth@tatasteelnz.com</a>
<b>Wellington</b>	141 Hutt Park Road Phone 04 568 5014	PO Box 38065, Lower Hutt 5045 Fax 04 568 6367 Email: <a href="mailto:wellington@tatasteelnz.com">wellington@tatasteelnz.com</a>
<b>Nelson</b>	4C Akersten Street Phone 03 548 0603	PO Box 413, Nelson 7040 Fax 03 548 0588 Email: <a href="mailto:nelson@tatasteelnz.com">nelson@tatasteelnz.com</a>
<b>Christchurch</b>	200 Maces Road, Bromley Phone 03 381 1994	P O Box 570, Christchurch Mail Centre 8140 Fax 03 381 0606 Email: <a href="mailto:christchurch@tatasteelnz.com">christchurch@tatasteelnz.com</a>

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**Toll free: 0800 4 26787**

**Website: [www.tatasteelnz.com](http://www.tatasteelnz.com)**

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