Austral Wright Metals
at the cutting edge

Austral Bronze Crane Copper Limited
ACN 008 466 840

Sales Offices	Phone	Fax
Adelaide	08 8345 1033	08 8345 1044
Brisbane	07 3722 0800	07 3277 6799
Melbourne	03 9409 8500	03 9408 3946
Sydney	02 9827 0790	02 9757 4486
Perth	08 9258 2600	08 9358 6206

PRODUCT DATA SHEET

Welding Shielding Gases In Australia: Comparison Chart

Welding

This chart has been compiled by The Welding Technology Institute of Australia (WTIA).
The list suggests alternatives, based on information from the companies, technical literature & other sources.
The comparisons are not recommendations & should only be used to evaluate the nearest general equivalent.
Please contact suppliers directly for further information, & for non-standard mixtures for special applications.

Process			Material					Linde Gas	BOC Gases	Air Liquide	Nominal gas composition in Argon (Vol. %)				
GMAW (MIG)	GTAW (TIG)	FCAW	Carbon Steel	Stainless Steel	Aluminium	Copper Alloys	Duplex Stainless				CO_2	O_2	H_2	He	N_2
♦			♦						Specshield 265JMA		3				
♦			♦						Specshield 265FE		5				
♦			♦							Arcal MS-2	8				
♦			♦					Corgon 10		BlueShield 6(M5)	10				
♦			♦						Specshield 265GM		14				
♦		♦	♦					Corgon 18	Specshield 265ASC	BlueShield 7(M1)	18				
♦		♦	♦						Argoshield 52		23				
♦		♦	♦					Corgon 25		BlueShield 8(M3)	25				
♦		♦	♦					Corgon 16/2			16	2			
♦		♦	♦							BlueShield 10	16	2.5			
♦		♦	♦						Argoshield Universal(51)		16	2.75			
♦		♦	♦						Argoshield Heavy		18	3			
♦			♦							BlueShield 24(M33)	8	2			
♦			♦						Argoshield 54		7	1.5			
♦			♦							BlueShield 23(Teral)	4.5	2.5			
♦			♦					Corgon 5/2			5	2			
♦			♦							Arcal MS-1	3	1			
♦			♦						Argoshield Light (50)		5	3.1			
♦		♦	♦						Argoshield 100		10			25	
♦			♦							Arcal MS-3	15			10	
♦			♦					Corgon He30			10			30	
♦			♦					Corgon 07		BlueShield 5(M4)		7			
♦			♦						Argoshield 40			5			
♦				♦		♦			Specshield Copper(70)			0.7			
♦				♦				Cronigon 1				1			
♦				♦					Stainshield (60)	BlueShield 1 (S1)		1.5			
♦				♦				Cronigon 2		BlueShield 6.2	2				
♦				♦					Stainshield 66		2.8		1		
♦				♦					Specshield CS		4		1	30	
♦				♦						BlueShield 4(S4)	3		1	30	
♦				♦					Stainshield Heavy (62)		2.8			35	
♦				♦				Cronigon He35			5			35	
♦				♦					Stainshield 69			0.9		35	
♦				♦				Cronigon He35-0				1		35	
♦				♦					Specshield 265WIT		2			20	
♦				♦				Cronigon He20			2.5			20	
♦				♦				Cronigon He50			2			50	
	♦						♦			BlueShield 39				10	2
♦							♦			BlueShield 129	1.8			5	1.7
	♦						♦	Crontig							3
	♦						♦	Crontig N5							5
♦	♦				♦	♦		Varigon He25						25	
♦	♦				♦	♦			Alushield Light (80T)					27	
♦	♦				♦	♦				BlueShield 2				49	
♦	♦				♦	♦		Varigon He50						50	
♦	♦				♦	♦		Varigon He75	Alushield Heavy (81T)					75	
	♦			♦					Specshield 90T				4	33	
	♦			♦					Specshield 71T				1.5	11	
	♦			♦				Varigon H5	Argoplas 5	BlueShield 12			5		
	♦			♦				Varigon H10					10		

The technical advice and recommendations made in this Product Data Sheet should not be relied or acted upon without conducting your own further investigations, including corrosion exposure tests where needed. Please consult current editions of standards for design properties.
Austral Wright Metals assumes no liability in connection with the information in this Product Data Sheet. September 2001