Safety Data Sheet

Section 1. Product and Company Identification.

1.1 Model Number; TG100/4 v2

1.2 Description; Gasless Flux Cored MIG Wire 0.9mm 4.5kg A5.20 Class E71T-GS

1.3 Manufacturer;

Jack Sealey Ltd.
t/a Sealey Group.
Kempson Way,
Bury St. Edmunds,
Suffolk,
IP32 7AR
UK

Jack Sealey (EU) Ltd
t/a Sealey Group.
Farney Street,
Carrickmacross,
Co. Monaghan,
A81 PK68
Ireland

technicalcompliance@sealey.co.uk

1.4 Emergency telephone number; 44 (0) 1284 757 500 (Office Hours)

Date of source compilation; 01/01/2025

Section 2. Hazards Identification.

Not relevant to the Model Number identified in 1.1 with Description stated in 1.2.

Section 3. Substances.

3.1 Chemical Name (substance)	**3.1 CAS No.**	**3.2 Concentration Weight**	**Classification**	
			Hazard Class & Category Code	**Hazard Statements** [1]
Iron	7439-89-6	75 – 95 %	-	-
Fluorspar	7789-75-5	1 - 10 %	-	-
Barium Fluoride	7787-32-8	1 - 4 %	-	-
Manganese	7439-96-5	0.2 – 1.5 %	-	-
Aluminium	7429-90-5	0 - 7 %	Flam. Sol. 1 Water-react. 2	H228 H261
Magnesium	7439-95-4	0 - 6 %	Pyr. Sol. 1 Water-react. 1	H250 H260
Silicon	7440-21-3	0 - 3 %	-	-
Titanium Dioxide	13463-67-7	0 - 3 %	-	-

[1]For full text of Statements, see Section 16.

Section 4. First Aid Measures.

4.1 Description of first aid measures

No first aid measures should be required for the unused wire and rod consumables.

Section 5. Fire Fighting Measures.

No specific measures required for the welding consumable prior to welding.

Section 6. Accidental Release Measures.

No specific actions for welding consumables prior to use.

6.4. Reference to other sections
See Section 7 for information on Safe Handling
See Section 8 for information of Personal Protective Equipment.
See Section 13 for information on disposal.

Section 7. Handling and Storage.

No special precautions are required for these welding consumables.

7.2. Conditions for safe storage, including any incompatibilities
Prevent moisture / oxidisation.
Store in a dry location.

7.3. Specific end use(s)
Intended for use as welding wire, Model Number identified in 1.1 with Description stated in 1.2.

Section 8. Exposure Controls/Personal Protection.

8.1. Control parameters

No specific measures required for the welding consumable prior to welding.

Workplace exposure limits.

Substance	CAS number	Workplace exposure limit. Long term.		Short term.	
		ppm	mg.m^3	ppm	mg.m^3
Aluminium Inhalable dust Respirable dust	7429-90-5	-	10 4	-	-

8.2. Exposure controls

Appropriate Engineering Controls

Ensure adequate ventilation.

Eye/Face Protection

Welding helmet fitted with the appropriate optical welding filter for the operation.

Skin Protection

Suitable hand protection such as welding gloves or gauntlets of a suitable standard.

Respiratory Protection

No data available.

Section 9. Physical and Chemical Properties.

9.1. Information on basic physical and chemical properties

The following information is not a technical specification or sales specification.

(a) Appearance:	Wire. Flux core.
(b) Odour:	No data available.
(c) Odour threshold;	No data available.
(d) pH:	No data available.
(e) Melting point/freezing point;	No data available.
(f) Initial boiling point and boiling range;	No data available.
(g) Flash point;	No data available.
(h) Evaporation rate;	No data available.
(i) Flammability (solid, gas);	No data available.
(j) Upper/lower flammability or explosive limits;	No data available.
(k) Vapour pressure;	No data available.
(l) Vapour density;	No data available.
(m) Relative density;	No data available.
(n) Solubility(ies);	No data available.
(o) Partition coefficient: n-octanol/water;	No data available.
(p) Auto-ignition temperature;	No data available.
(q) Decomposition temperature;	No data available.
(r) Viscosity;	No data available.
(s) Explosive properties;	No data available.
(t) Oxidising properties.	No data available.

9.2 Other information -

Section 10. Stability and Reactivity.

10.1. Reactivity	No data available.
10.2. Chemical stability	Stable.
10.3. Possibility of hazardous reactions	No data available.
10.4. Conditions to avoid	No data available.
10.5. Incompatible materials	No data available.
10.6. Hazardous decomposition products	No data available.

Section 11. Toxicological Information.

11.1. Information on toxicological effects

No data available.

Section 12. Ecological Information.

12.1. Toxicity	No data available.
12.2. Persistence and degradability	No data available.
12.3. Bioaccumulative potential	No data available.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	No data available.
12.6. Other adverse effects	No data available.

Section 13. Disposal Considerations.

13.1. Waste treatment methods

Dispose of through metal waste processing, in accordance with local authority regulations.

Section 14. Transport Information.

Product identified in 1.1 with description stated in 1.2 is not classified as hazardous for transport.

Section 15. Regulatory Information.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
No data available.

15.2. Chemical safety assessment
No data available.

Section 16. Additional Information.

Full text of Statements used in Section 3;

H228 Flammable solid.
H250 Catches fire spontaneously if exposed to air.
H260 In contact with water releases flammable gases which may ignite spontaneously.
H261 In contact with water releases flammable gases.

The above information is believed to be accurate and represents the best information currently available.
No warranty is expressed or implied by the above information.
We assume no liability resulting from use of the above information.
The end user should conduct their own investigations to determine the suitability of the above information for their particular purpose.

Issue level	Date	Revisions
1	18/08/2014	First issue.
2	16/04/2026	

End of Safety Data Sheet.