

Section 1. Product and Company Identification.

1.1 Model Number;

TG100 v1

1.2 Description;

Gasless Flux Cored MIG Wire A5.20 Class E71T-GS

1.3 Manufacturer;

Jack Sealey Ltd.

Jack Sealey (EU) Ltd

t/a Sealey Group.

t/a Sealey Group.

Kempson Way,

Farney Street,

Bury St. Edmunds,

Carrickmacross,

Suffolk,

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IP32 7AR

A81 PK68

UK

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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 %	-	-
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 %	Carc. 2	(Inhalation)
Manganese	7439-96-5	0.2 – 1.5 %	-	-

¹For 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 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 required for the welding consumable prior to welding.

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.

7.1. Precautions for safe handling

No specific measures required for welding consumable prior to welding.

7.2. Conditions for safe storage, including any incompatibilities

Store in dry a dry area.

7.3. Specific end use(s)

Intended for use as MIG Wire, Model Number identified in 1.1 with Description stated in 1.2.

Section 8. Exposure Controls/Personal Protection.

8.1. Control parameters

Workplace exposure limits.

Substance	CAS number	Workplace exposure limit.			
		Long term.	Short term.	ppm	mg.m ⁻³
Aluminium	7429-90-5	-	10	-	-
Silicon respirable dust	7440-21-3	-	4	-	-
Titanium Dioxide respirable	13463-67-7	-	4	-	-

8.2. Exposure controls

Appropriate Engineering Controls

Use in accordance with appropriate welding practice.

Eye/Face Protection

Not required for welding consumable prior to welding.

Skin Protection

Gloves suitable to prevent repeated skin contact.

Respiratory Protection

Not required for welding consumable prior to welding.

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:	Solid. Wire.
(b) Odour:	Odourless.
(c) Odour threshold:	Not relevant.
(d) pH:	Not relevant.
(e) Melting point/freezing point;	No data available.
(f) Initial boiling point and boiling range;	No data available.
(g) Flash point;	Not relevant.
(h) Evaporation rate;	Not relevant.
(i) Flammability (solid, gas);	Not relevant.
(j) Upper/lower flammability or explosive limits;	Not relevant.
(k) Vapour pressure;	Not relevant.
(l) Vapour density;	Not relevant.
(m) Relative density;	Not relevant.
(n) Solubility(ies);	Not soluble in water.
(o) Partition coefficient: n-octanol/water;	No data available.
(p) Auto-ignition temperature;	Not relevant.
(q) Decomposition temperature;	Not relevant.
(r) Viscosity;	Not relevant.
(s) Explosive properties;	Not relevant.
(t) Oxidising properties.	Not relevant.

9.2 Other information

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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	Materials being welded refer.

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	-

Section 13. Disposal Considerations.

13.1. Waste treatment methods

Dispose of in accordance with local authority regulations.

Section 14. Transport Information.

Not 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.

H351 Suspected of causing cancer.

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	27/01/2026	First issue.

End of Safety Data Sheet.