

Voluntary product information based on the format of the
safety data sheet
in accordance with Annex II of Regulation (EC) No. 1907/2006
as amended by Regulation (EU) 2020/878

Welding consumable: Solid wire electrode, solid rods	Print date: 03.03.2026 Revision date: 18.02.2026 Version: 2.0 / EN
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The product is an article within the meaning of Article 3(3) of Regulation (EC) No 1907/2006 (REACH). This data sheet therefore provides information on the safe use of the product.

According to the REACH Regulation, it is not necessary to create a safety data sheet for articles. The information required under Article 33 on SVHCs contained in articles does not have to be provided in a safety data sheet either. (REACH Helpdesk No. 0081)

The following information is therefore voluntary. However, to ensure good readability, it is based on the format of the safety data sheets used in chemical legislation.

SECTION 1: Identification of the substance or mixture and of the company

1.1 Product identifier:

	C	Mn	Si	Cu	Mo	Cr	Ni	Ti	V	Fe	AWS Classification
DT-G I	<0.5	<0.5	<0.1	<0.5	--	--	--	--	--	Bal.	A5.2, R45
DT-G II	<0.5	1-2	<0.5	--	--	--	--	--	--	Bal.	A5.2, R60
DT-G III	<0.5	1-2	0.5	--	--	--	0.5	--	--	Bal.	A5.2, R60
DT-G IV	<0.5	1-2	<1	--	0.5	--	--	--	--	Bal.	A5.2, R60G
DT-SGZiRo	<0.5	1-2	<1	--	--	--	--	--	--	Bal.	ER70S-2
DT-SG 2	<0.5	1-2	<1	--	--	--	--	--	--	Bal.	ER70S-6
DT-SG 3	<0.5	1-2	<1	--	--	--	--	--	--	Bal.	ER70S-6
DT-SG Mon	<0.5	2	<0.1	<0.5	0.5	--	--	--	--	Bal.	ER 70S-A1
DT-SG CrMo 1	<0.5	<1.5	<1	<0.5	--	1	--	--	--	Bal.	
DT-1.0Ni	<0.5	<1.5	<1	<0.5	--	--	<1.2	--	--	Bal.	A5.23, ENi1K; A5.28, E80S-Ni1
DTNiMoCr/NiMo	<0.5	1-2	<0.5	<0.5	<0.5	0.1	1-2	<0.1	0.1	Bal.	A5.23, EM2; A5.28, ER100SG
DT-X90/X96	<0.5	2	0.1	<0.5	0.5	<0.5	2-3	--	--	Bal.	A5.23, EF5
	<0.5	1-2	<0.5	<0.5	0.5	<0.5	2-3	<0.1	--	Bal.	A5.23, EM4; A5.28, ER120S-1
	<0.5	<1	0.5	<0.5	1	<1	--	--	--	Bal.	A5.23, EB5
	<0.5	1-2	<0.5	<0.5	<1	--	2-3	<0.1	--	Bal.	NONE
	<0.5	<1	<0.5	<0.5	<0.5	--	1-2	--	--	Bal.	A5.23, ENi4
DT-G4Mo	<0.5	1-2	<1	<0.5	0.5	--	--	<0.1	--	Bal.	A5.28, ER80S-D2
DT-SG CrMo1	<0.5	<1	<1	<0.5	<1	1-2	<1	--	--	Bal.	A5.28, ER80S-B2
DT-SG CrMo2	<0.5	<1	<1	<0.5	<1.5	2-3	<1	--	--	Bal.	A5.28, ER90S-B3
DT-SG CrMo5	<0.5	<1	<1	<0.5	<1	4-6	<1	--	--	Bal.	A5.28, ER80S-B6
DT-SG CrMo9	<0.5	<1	<1	<0.5	<1.5	8-10	<0.5	--	--	Bal.	A5.28, ER80S-B8
DT-SG CrMo9V	<0.5	<1	<1	<0.5	<1.5	8-10	<1	--	<0.5	Bal.	A5.28, ER90S-B9

Product type: Product (solid metal alloy according to REACH Art. 3 No. 3)

UFI: Not applicable (article)

Nanoform: No intentionally manufactured nanoforms.

1.2. Relevant identified uses of the substance or mixture and uses advised against

Welding consumable for arc, MIG/MAG and TIG welding processes.

Uses advised against: None when used as intended.

1.3 Details of the supplier providing the safety data sheet

Supplier:

DRATEC GmbH – Krefeld;
Telephone: +49 (0) 2151 / 516250
Email: Qualitätssicherung@dratec.de
Contact: Mr Pott

DISCLAIMER

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1.4 **EMERGENCY NUMBER:** Bonn Poison Control Centre (GIZ): +49 (0)228 19240

SECTION 2: Possible hazards

- No classification according to CLP in solid form.
- Hazards arise during welding processes due to metal fumes.
- Welding fumes may be carcinogenic (IARC Group 1).
- PBT/vPvB: Not applicable.
- Endocrine-disrupting properties: None known.

SECTION 3: Composition/information on ingredients

Description:

- Iron-based steel alloy
- Iron (CAS 7439-89-6) >90%
- Manganese (CAS 7439-96-5) <2%
- Silicon (CAS 7440-21-3) <1%
- Chromium/nickel depending on alloy.

SECTION 4: First aid measures

- Inhalation: Fresh air, seek medical attention if necessary.
- Skin contact: Clean with water.
- Eye contact: Rinse for 15 minutes.
- Ingestion: Consult a doctor.

SECTION 5: Firefighting measures

- Non-flammable.
- Use extinguishing media appropriate to the surroundings.

SECTION 6: Accidental release measures

- Collect mechanically.
- Avoid dust formation.

SECTION 7: Handling and storage

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Ensure good extraction.
Store in a dry place.

SECTION 8: Exposure controls and personal protection

AGW manganese: 0.2 mg/m³.
PPE: Respiratory protection P2/P3, gloves EN 12477, safety goggles EN 166.

SECTION 9: Physical and chemical properties

Solid, metallic.
Melting point >1400°C.
Insoluble in water.

SECTION 10: Stability and reactivity

Stable under normal conditions.
Reaction with strong acids possible.

SECTION 11: Toxicological information

Metal fume fever possible.
Nickel components may have a sensitising effect.

SECTION 12: Ecological information

Not biodegradable.
No known endocrine-disrupting properties.

SECTION 13: Disposal considerations

Recycling preferred.
WEEE 12 01 13.

SECTION 14: Transport information

Not classified as dangerous goods according to ADR/RID/IMDG/IATA.

SECTION 15: Regulatory information

REACH, CLP, Regulation (EU) 2020/878.
TRGS 900, TRGS 510.

SECTION 16: Other information

IARC - International Agency for Research on Cancer

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NIOSH – National Institute for Occupational Safety and Health
DVS Data Sheet 1201: Extraction at welding workstations.
DVS reference book: Instruction of welders in occupational safety.
DVS leaflets on occupational safety in welding.

The information corresponds to the current state of knowledge and meets the requirements of Annex II of the REACH Regulation in the version (EU) 2020/878.

Abbreviations and acronyms:

NCEC - National Chemical Emergency Centre (= Carechem24)
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
GefStoffV: Ordinance on Hazardous Substances (Germany)
TRGS: Technical Rules for Hazardous Substances (Technical Rules for Dangerous Substances, BAuA, Germany)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

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