

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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According to the REACH Regulation, it is not necessary to create a safety data sheet for articles. The information specified in 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:

DRATEC-	% Mn	%Ni	%Cr	%Cu	Mo	Si	Cb*	Ti	Fe	AWS
DT-2.4806	2.5-3.5	>67	18-22	--	--	X	--	X	X	ERNiCr-3
DT-2.4831	0-0.5	>58	20-23	--	X	X	--	--	X	ERNiCrMo-3
DT-2.4155	0-1	>92	--	--	--	X	--	2-3.5	X	ERNi-1
DT-2.4377	2-4	>62	--	28-32	--	X	--	1.5-3	X	ERNiCu-7
DT-NiFe	X	>55	--	--	X	X	--	--	44-46	
DT-2.4886	X	>50	14.5–16.5	X	15-17	X	--	--	4-7	W: 3-4.5
DT-2.4607	X	>58	22-24	--	15-16.5	--	--	--	X	NiCrMo-13
DT-2.4627	X	bal.	22	Co:12	9	X	--	X	1.5	Ni6617
DT-2.4649	X	>58	24-26	X	--	X	--	X	8-11	Ni6025
DT-2.4635	X	>49.	20-22.5	X	12.5-14.5	--	Co: >2.5	W: 2.5-3.5	--	NiCrMo-10

UFI: Not applicable (product according to REACH Art. 3)

Nanoform: No intentionally manufactured nanoforms within the meaning of REACH.

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

1.4 EMERGENCY NUMBER:

Bonn Poison Control Centre (GIZ): +49 (0)228 19240

SECTION 2: Possible hazards

2.1 Classification according to Regulation (EC) No. 1272/2008 (CLP):

Skin sensitisation Category 1 – H317
Carcinogenicity Category 2 – H351
STOT RE Category 1 – H372

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2.2 Labelling elements:

Pictograms: GHS07, GHS08

Signal word: Danger

Hazard statements:

H317 May cause allergic skin reactions.

H351 Suspected of causing cancer.

H372 Causes damage to organs through prolonged or repeated exposure.

Safety instructions:

P260, P280, P314, P501

2.3 S Other hazards:

Welding produces metal fumes and oxides.

PBT/vPvB: No classification required for products.

Endocrine-disrupting properties: No known endocrine disruptors according to (EU) 2017/2100.

SECTION 3: Composition/information on ingredients

3.1 Substances: Not applicable.

3. Mixtures: Nickel-based alloys.

Main components:

Nickel (CAS 7440-02-0) >50%

Chromium (CAS 7440-47-3) 10–30%

Molybdenum (CAS 7439-98-7) variable

Iron (CAS 7439-89-6) variable

SECTION 4: First aid measures

4.1 Description of first aid measures:

Inhalation: Fresh air, doctor if necessary.

Skin contact: Wash with soap and water.

Eye contact: Rinse for 15 minutes.

Ingestion: Rinse mouth, consult a doctor.

4.2 Most important symptoms: Metal fume fever possible.

4.3 Advice for doctors: Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media: Appropriate to the surroundings.

5. Hazards: Metal oxides.

5.3 Respiratory protection required.

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SECTION 6: Accidental release measures

Collect mechanically.
Avoid dust formation.

SECTION 7: Handling and storage

- 7.1 Use only in well-ventilated areas.
- 7.2 Store in a dry place. Storage class 13 (TRGS 510).

SECTION 8: Exposure controls/personal protection

- 8.1 Observe workplace exposure limits in accordance with TRGS 900.
Nickel AGW: 0.05 mg/m³ (inhalable)
- 8. PPE:
Respiratory protection ABEK/P3
Welding gloves
Safety goggles EN 166
Protective clothing

SECTION 9: Physical and chemical properties

Physical state: Solid
Colour: Metallic
Odour: Odourless
Density: approx. 8 kg/dm³
Melting point: approx. 600–1400 °C
Explosion limits: Not applicable

SECTION 10: Stability and reactivity

Stable under normal conditions.
Reacts with strong acids.
Hazardous decomposition products: Metal oxides.

SECTION 11: Toxicological information

Acute toxicity: Nickel LD50 oral rat >9000 mg/kg.
Sensitisation: Skin sensitising.
Carcinogenicity: Category 2 (nickel).
STOT RE: Category 1.
Aspiration hazard: Not applicable.

SECTION 12: Environmental information

- 12.1 Aquatic toxicity (nickel): LC50 >100 mg/l (96h, fish).
- 12. Persistence: Metallic, not biodegradable.

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- 12.3 Bioaccumulation: Potential exists for nickel ions.
- 12.5 PBT/vPvB: Not applicable.
- 12.6 Endocrine disrupting properties: None known.

SECTION 13: Disposal considerations

Recycling is preferred.
AVV 160302 or 100207 depending on the process.
Packaging: 150102.

SECTION 14: Transport information

Not classified as dangerous goods according to ADR/RID/IMDG/IATA.
No environmental hazard.

SECTION 15: Regulatory information

REACH (EC) 1907/2006
CLP (EC) 1272/2008
Regulation (EU) 2020/878
TRGS 900, TRGS 510
Water hazard class: WGK 1 (self-assessment)

SECTION 16: Other information

Wording of H statements:
H317 May cause allergic skin reactions.
H351 Suspected of causing cancer.
H372 Causes damage to organs through prolonged or repeated exposure.

Abbreviations: REACH, CLP, PBT, vPvB, DNEL, PNEC, etc.

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