

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: 17.02.2026 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
<i>Product name</i>									
DT-308H	1.0-2.5	9.0-11.0	19.5-22.0	--	--	X	--	--	X
DT-ER308L	1.0-2.5	9.0-11.0	19.5-22.0	--	--	X	--	--	X
DT-1.4316/ECO308	1.0-2.5	9.0-11.0	19.5-22.0	--	--	X	--	--	X
DT-1.4829	1.0-2.5	12.0-14.0	23.0-25.0	--	--	X	--	--	X
DT-309L	1.0-2.5	12.0-14.0	23.0-25.0	--	--	X	--	--	X
DT-1.4459	1.0-2.5	12.0-14.0	23.0-25.0	--	X	X	--	--	X
DT-1.4332	1.0-2.5	12.0-14.0	23.0-25.0	--	--	X	--	--	X
DT-1.4842	1.0-2.5	20.0-22.5	25.0-28.0	--	--	X	--	--	X
DT-1.4337	1.0-2.5	8.0-10.5	28.0-32.0	--	--	X	--	--	X
DT-1.4370/ECO307	5.0-8.0	7.0-10.0	17.0-20.0	--	--	X	--	--	X
DT-316L	1.0-2.5	11.0-14.0	18.0-20.0	--	X	X	--	--	X
DT-1.4430/ECO316	1.0-2.5	11.0-14.0	18.0-20.0	--	X	X	--	--	X
DT-1.4576	1.0-2.5	11.0-14.0	18.0-20.0	--	X	X	X	--	X
DT-316H	1.0-2.5	11.0-14.0	18.0-20.0	--	X	X	--	--	X
DT-1.4009	>1	<0.6	10.5-13.5	X	X	X	--	X	X
DT-1.4440	1.0-2.5	13.0-15.0	18.5-20.5	--	X	X	--	--	X
DT-1.4462	<2.5	7.0-10.0	21.0-24.0	--	2.5-4.0	X	--	--	X
DT-1.4501	<2.5	8-10.5	24.0-27.0	<1.5	2.5-4.5	X	--	W:1	X
DT-1.4502	<1	--	16.5-18.5	--	--	X	--	0.5	X
DT-1.4551	1.0-2.5	9.0-11.0	19.0-21.5	--	--	X	X	--	X
DT-1.4519	1.0-2.5	30.0-33.0	26.5-28.5	0.7-1.5	X	X	--	--	X
DT-1.4351	<1	3.0-5.0	11.0-14.0	--	X	X	--	--	X
ER409Cb	<1	<1	10.5-13.5	--	--	X	X	--	X
ER409Ti	<1	--	10-13	--	--	X	--	X	X
ER430 LNb	<1	<1	17.0-19.0	--	--	X	X	--	X
ER439Ti	<1	<1	17.0-19.0	--	--	X	--	--	X
DT-1.4122	<1	<1	15.5-17.5	--	X	X	--	--	X
DT-1.4115	<1	<1	16.0-19.0	--	X	X	--	--	X
DT-1.4542	<1	4.5-5.0	16.0-16.75	3.25-4.0	X	X	--	--	X

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

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

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Email: Qualitätssicherung@dratec.de
Contact: Mr Pott

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

SECTION 2: Potential hazards

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard categories:

Respiratory/skin sensitisation: Sens. Skin 1

Carcinogenicity: Carc. 2

Specific target organ toxicity (repeated exposure): STOT rep. 1

Hazard statements:

May cause allergic skin reactions.

May cause cancer.

Damages organs through prolonged or repeated exposure

2.2 Labelling elements

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

No labelling required when supplied as a solid product.

Hazards arise during processing (welding) due to smoke and vapour formation.

Classification of relevant components:

Skin Sens. 1 – H317

Carc. 2 – H351

STOT RE 1 – H372

2.2 Labelling elements (based on released components)

Signal word: Danger

H317 May cause allergic skin reactions.

H351 Suspected of causing cancer.

H372 Causes damage to organs through prolonged or repeated exposure.

2.3 Other hazards

Welding fumes are classified as carcinogenic according to IARC.

Thermal combustion hazard.

Not classified as PBT/vPvB.

No known endocrine-disrupting properties.

SECTION 3: Composition/information on ingredients

3.1 Mixtures (alloys)

Chromium (CAS 7440-47-3, EC 231-157-5) 10–30%

Nickel (CAS 7440-02-0, EC 231-111-4) 8–25%

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Manganese (CAS 7439-96-5, EC 231-105-1) <8%
Molybdenum (CAS 7439-98-7, EC 231-107-2) <5%
Iron (CAS 7439-89-6, EC 231-096-4) Residual

Nickel: Carc.2, Skin Sens.1, STOT RE1

SECTION 4: First aid measures

Inhalation: Provide fresh air, consult a doctor if symptoms persist.
Skin contact: Clean with water.
Eye contact: Rinse with water for several minutes.
Ingestion: Rinse mouth.

SECTION 5: Firefighting measures

Suitable extinguishing media: Adapt to surrounding fire.
Hazardous combustion products: Metal oxides.
Special protective equipment: Self-contained breathing apparatus.

SECTION 6: Accidental release measures

Collect mechanically.
Avoid dust formation.
Do not allow to enter drains or waterways.

SECTION 7: Handling and storage

Store in a dry place.
Avoid contact with strong acids and oxidising agents.
Storage class 13 according to TRGS 510.

SECTION 8: Exposure controls/personal protection

Occupational exposure limits (TRGS 900 – excerpt):
Nickel (inhalable): 0.006 mg/m³
Chromium (VI): 0.000005 mg/m³
Manganese (alveolar): 0.02 mg/m³

Technical measures: Extraction directly at the source.
Personal protective equipment:

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- Safety goggles EN 166
- Welding gloves
- ABEK/P3 respiratory protection if ventilation is inadequate

SECTION 9: Physical and chemical properties

Physical state: Solid
Colour: Metallic
Odour: Odourless
Density: approx. 7.8–8.0 g/cm³
Melting point: approx. 1400–1500 °C
Explosive properties: Not applicable
Nanoforms: None

SECTION 10: Stability and reactivity

Stable under normal conditions.
Reaction with strong acids possible.
Decomposition products during welding process: Metal oxides

SECTION 11: Toxicological information

Nickel LD50 oral (rat) > 9000 mg/kg.
Skin sensitisation possible.
Suspected carcinogenic effect when exposed to welding fumes.
No known endocrine-disrupting properties

SECTION 12: Environmental information

Nickel LC50 (fish) > 100 mg/l.
Not classified as PBT or vPvB.
Not hazardous to water (self-assessment).

SECTION 13: Disposal considerations

Recycling preferred.
Waste code: 160302 / 100207 (hazardous waste for smoke filters).

SECTION 14: Transport information

Not classified as dangerous goods according to ADR/RID/IMDG/ICAO/ADN

SECTION 15: Regulatory information

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REACH (EC) 1907/2006
CLP (EC) 1272/2008
Regulation (EU) 2020/878
TRGS 510, TRGS 900

Section 16: Other information

Full text of H statements:

H317 May cause allergic skin reactions.

H351 Suspected of causing cancer.

H372 Causes damage to organs through prolonged or repeated exposure.

IARC – International Agency for Research on Cancer

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.

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