

Voluntary product information based on the format of the
safety data sheet
 In accordance with Regulation (EC) No. 1907/2006 (REACH), Annex II,
 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.

1. Section 1: Identification of the substance or mixture and of the company

1.1 Product name

Product name	Cu	Zn	Pb	Mn	Ni	Al	Si	Sn	Fe
DT-CuAl8, DT-CuAl9Fe	85-90	--	--	--	--	8-11	X	--	X
DT-CuAl8Ni2, DT-CuAl8Ni6	85-90	--	--	--	2-6	8-11	X	--	X
DT-CuSi3	93-97	< 1	<1	0.5-1.5	--	--	X	--	--
DT-2.1367	70-80	--	--	11-14	1-3	7-9	--	--	X
DT-CuSn	>98	--	--	0.1-0.4	--	--	<0.5	<1	X
DT-CuAg	99.5 incl. Ag								
DT-CuSn6	>90	--	X	--	--	--	X	4-7	X + P
DT-CuSn12	>85	X	X	--	--	--	--	11-13	X + P
DT-CuZn40	55-60	Remaining	--	X	--	--	X	--	XX
DT-2.0837 0.4-1.0	Remaining	--	--	0.5-1.5	--	29-32	--	X	--
DT-2.0873 0.5-2.0	Remaining	--	--	0.5-1.5	--	9-11	--	X	--

Product type: Product (solid metal alloy)
 UFI: Not applicable (product according to REACH Article 3)
 NANOFORM: Not applicable – no intentionally manufactured nanoforms within the meaning of REACH.

1.2.1. 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

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

2. Potential hazards

- 2.1 Classification according to Regulation (EC) No. 1272/2008 (CLP)
The product is placed on the market in solid form as an article.
There is no classification requirement under CLP for articles in this form.
Hazardous properties may arise during processing (e.g. welding, grinding).
- 2.2 Labelling elements
Not subject to labelling as an article.
Hazard statements during processing: Formation of metal fumes and fine dust (e.g. manganese oxides, iron oxides).
- 2.3 Other hazards
Thermal processing may generate hazardous vapours.
Endocrine-disrupting properties: No known endocrine-disrupting properties of the alloy in solid form.
PBT/vPvB assessment: Not applicable to products.

3. Composition/information on ingredients

- 3.1 Substances: Not applicable (product).
- 3.2 Mixtures: Copper-based metal alloys.
Main components (typical):
Copper (CAS 7440-50-8)
Aluminium (CAS 7429-90-5)
Nickel (CAS 7440-02-0)
Manganese (CAS 7439-96-5)
Iron (CAS 7439-89-6)
Silicon (CAS 7440-21-3)
Tin (CAS 7440-31-5)
Zinc (CAS 7440-66-6)
Lead (CAS 7439-92-1) – if contained in specific alloys.

Note: The classification of individual metals refers to the pure substances.

SECTION 4: First aid measures

- 4.1 Description of first aid measures
After inhalation: Fresh air supply, seek medical attention if symptoms persist.
After skin contact: Clean with soap and water.
After eye contact: Rinse with running water for several minutes.
After swallowing: Seek medical advice.
- 4.2 Most important acute and delayed symptoms
Irritation of the respiratory tract due to metal fumes.

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- 4.3 Indications for immediate medical attention
Symptomatic treatment.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media: Product itself is non-flammable.
5. Special hazards: Formation of metal oxides possible in case of fire.
5.3 Firefighting instructions: Use respiratory protection.

SECTION 6: Accidental release measures

Not applicable for solid metal form.
Collect metal chips or dust mechanically.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
Use suitable extraction when welding.
7.2 Conditions for safe storage
Store in a dry place. No special requirements.

SECTION 8: Exposure controls/personal protection

- 8.1 Parameters to be monitored
Observe occupational exposure limits for metal fumes in accordance with national regulations.
8. Exposure controls and personal protection
Technical measures: Local exhaust ventilation.
Personal protective equipment: Respiratory protection, protective gloves, safety goggles.

SECTION 9: Physical and chemical properties

Physical state: Solid (solid wire/rod)
Colour: Metallic
Density: approx. 7.5–9.0 g/cm³
Melting point: approx. 1025–1150 °C

SECTION 10: Stability and reactivity

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Stable under normal conditions.
Reaction with strong acids possible, forming hydrogen.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
No acute toxicity to be expected in solid form.
Metal fumes may be harmful if inhaled.
- 11.2 Information on other hazards
No known endocrine-disrupting properties.

SECTION 12: Environmental information

- 12 Toxicity: No release in solid form.
12.5 PBT/vPvB assessment: Not applicable.
12.6 Endocrine-disrupting properties: None known.

SECTION 13: Disposal considerations

Recycle scrap metal.
Determine waste code in accordance with AVV.

SECTION 14: Transport information

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

SECTION 15: Regulatory information

REACH (EC) No. 1907/2006
CLP (EC) No. 1272/2008
Regulation (EU) 2020/878
Observe national occupational health and safety regulations.

SECTION 16: Other information

The information provided is based on our current knowledge.
This document has been prepared in accordance with Annex II REACH.

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