

1. Description of substances, preparation and company

Company: ARC Welding & Cutting GmbH & Co. KG
Friedrich-Ebert-Straße 1
36251 Bad Hersfeld
Germany
Tel. + 49 6621-79 86 400

Product identification: WC20
Colour marking: grey

Product application: Tungsten electrode for TIG welding

2. Information on components

Chemical characteristics: Tungsten W with 1,8-2,2% Cerium oxide
Hazardous substances: N/A

3. Potential dangers

N/A

Other dangers depending on welding process.

4. First aid measures

after inhalation: In case of prolonged inhalation of welding fume the persons concerned have to be supplied with fresh air. If irritation persists contact a doctor.

after contact with the skin: N/A

after contact with the eyes: Rinse eyes thoroughly and contact a doctor

5. Measures necessary in the case of fire

N/A

6. Measures necessary in the case of accidental emissions

N/A

7. Handling and storage

Handling: During TIG-welding, adequate ventilation and air circulation must be provided together with an exhausting device to absorb welding fume.

Storage: Store in a dry place

8. Limitation of exposure and personal protective equipment

Exposure limits: N/A

Personal protective equipment:

Respiratory protection: not necessary when adequate ventilation is provided

Hand protection: Welding gloves

Eye protection: Welding glasses or welding

9. Physical and chemical properties

Form: bar shaped

Colour: metallic grey

Smell: scentless

Evaporating point: approx. 5.900°C

Melting point: approx. 3.400°C

Flash point: N/A

Inflammability: N/A

Ignition temperature: N/A

Explosion limits: none

Fire supporting characteristics: none

Steam pressure: N/A

Density: WC20: 19,0 – 19,1 g/cm³

Solubility in water: non soluble

Miscellaneous: none

10. Stability and reactivity

Conditions to avoid: N/A

Substances to avoid: N/A

Dangerous decomposition

Products: N/A

11. Information on toxicology: N/A

12. Environmental information: N/A

13. Instruction for disposal: N/A

14. Transport regulations: N/A

15. Regulations

Regulations only applicable and valid for TIG welding procedure

16. Miscellaneous

All information is based on current state of knowledge; this information does not represent any guarantee of product properties and does not constitute any contractual legal obligation.

Products may only be used as mentioned. If the products are used improperly risks which are not described in the safety data sheet are possible.

Information is provided here in a way which is best understood and acted upon by qualified personnel.

According to definitions found in EN-60204-1:

Qualified personnel are persons who, based on their special training, knowledge, experience and due to their knowledge of relevant standards, are able to assess the tasks assigned to them and identify possible dangers.