

1 Description of substances, preparation and company

Company:	Holch Schweißbrenner GmbH Bühlstraße 14 57080 Siegen Deutschland Tel. 0049 (0)271/387860-0
Product identification:	WZ8
Colour marking:	white
Product application:	Tungsten electrode for TIG welding

2 Information on components

Chemical characteristics:	Tungsten W with 0,7 – 0,9% Zirconium oxide (ZrO ₂)
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
after swallowing:	Contact a doctor immediately

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 shield

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: WZ8: 18,82 – 18,97 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 Instructions 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 the definitions found in EN-60204-1:

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