

based on Regulation (EC) no. 1907/2006, Article 31

Version number 1 Printing date 21.04.2023 Revision: 21 04 2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier

WZr3. WZr8 - Trade name:

- 1.2 Relevant identified uses of the substance or mixture and uses advised

against

Nothing known Product category Article according to Article 3 No. 3 of the REACH Regulation.

The classifications listed below are classifications of the pure substance and are provided for information

purposes only.

Non-fusing electrode in the TIG welding process; Electrode for lighting technology; electrode for plasma - Application of the substance / the mixture

melting, plasma cutting, plasma spraying (thermal spraying); emission cathode for electronic tubes

- 1.3 Details of the supplier of the safety data sheet

ABICOR-BINZEL (UK) Ltd. Mill Lane - Manufacturer/Supplier:

Winwick Quay, Warrington WA28UA UK

Contact Person: Kevin Chudley

Email: kevin.chudley@binzel-abicor.co.uk Contact Number: 01925 653944

- Further information obtainable from: **Technical Documentation**

- 1.4 Emergency telephone number: Registration with a poison control center is not required for articles. In the event of an accident, contact the

national emergency call center.

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture

- Classification according to Regulation (EC)

No 1272/2008 Article according to Article 3 No. 3 of the REACH Regulation.

The classifications listed below are classifications of the pure substance and are provided for information

purposes only.

The product is not classified, according to the CLP regulation.

- 2.2 Label elements

Labelling according to Regulation (EC) No

1272/2008 Void - Hazard pictograms Void - Signal word Void - Hazard statements Void

2.3 Other hazards

- Results of PBT and vPvB assessment

- PRT Not applicable. - vPvR Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures

- After inhalation:

- After skin contact:

- Description: Article according to Reach regulation article 3 n°3.

The classifications listed below are classifications of the pure substance and are provided for information

purposes only

- Dangerous components:

CAS: 7440-33-7 substance with a Community workplace exposure limit | 99.10 - 99.85% tungsten EINECS: 231-143-9

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- 4.1 Description of first aid measures

- General information: No special measures required.

Do not leave affected persons unattended. Personal protection for the First Aider.

Take affected persons out of danger area and lay down.

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air; consult doctor in case of complaints.

Immediately wash with water and soap and rinse thoroughly.

Seek medical treatment in case of complaints.

- After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Protect unharmed eve.

- After swallowing: If symptoms persist consult doctor.

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- 4.2 Most important symptoms and effects,

both acute and delayed

- 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available

No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media

- Suitable extinguishing agents:

Sand

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

- For safety reasons unsuitable extinguishing

Water with full jet

- 5.2 Special hazards arising from the

substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

Nitrogen oxides (NOx) Carbon monoxide (CO)

- 5.3 Advice for firefighters

- Protective equipment: - Additional information Do not inhale explosion gases or combustion gases.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective

equipment and emergency procedures

- 6.2 Environmental precautions: - 6.3 Methods and material for containment

and cleaning up:

Not required.

Pick up mechanically. See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling

- 6.4 Reference to other sections

- Information about fire - and explosion

protection:

No special measures required.

No special measures required.

No special measures required.

- 7.2 Conditions for safe storage, including any incompatibilities

- Storage:

- Requirements to be met by storerooms and

receptacles:

No special requirements.

- Information about storage in one common

storage facility:

Not required.

Further information about storage

conditions:

None.

- \$.10 Gagecifiasend use(s)

No further relevant information available

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters

- Ingredients with limit values that require monitoring at the workplace:

7440-33-7 tungsten

WEL (Great Britain) Short-term value: 10 mg/m3

Long-term value: 5 mg/m³

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- Regulatory information

WEL (Great Britain): EH40/2020

- Additional information:

The lists valid during the making were used as basis.

- 8.2 Exposure controls

- Appropriate engineering controls No further data; see item 7. - Individual protection measures, such as personal protective equipment

- General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.

 Respiratory protection: Not required.

- Hand protection Not required.

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- Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of

quality and varies from manufacturer to manufacturer.

- Penetration time of glove material

- As protection from splashes gloves made of

the following materials are suitable: Not applicable

SECTION 9: Physical a	na chemicai pro	perties
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- 9.1 Information on basic physical and chemical properties

- General Information

- Physical state Solid

- Colour: According to product specification

Not applicable

- Odour: Odourless - Odour threshold: Not determined.

- Melting point/freezing point: Undetermined. - Boiling point or initial boiling point and boiling range Undetermined. - Flammability Not applicable.

- Lower and upper explosion limit

- Lower: Not determined. - Upper: Not determined. - Flash point: Not applicable. - Decomposition temperature: Not determined. Not applicable. Ha -

- Viscosity: - Kinematic viscosity Not determined. Not applicable. - Dynamic: Not determined.

Not applicable. - Solubility

- water:

Insoluble. - Partition coefficient n-octanol/water (log value) Not determined.

- Density and/or relative density

- Density: Not determined - Relative density Not determined. - Vapour density Not determined. - Particle characteristics See item 3.

- 9.2 Other information

- Appearance:

Solid - Form:

- Important information on protection of health and environment, and on

safety.

- Auto-ignition temperature: Product is not selfigniting.

- Explosive properties: Product does not present an explosion hazard. - Change in condition

- Evaporation rate

Not determined.

- Information with regard to physical hazard classes - Explosives Void

- Flammable gases Void - Aerosols Void - Oxidising gases Void - Gases under pressure Void - Flammable liquids Void - Flammable solids Void - Self-reactive substances and mixtures Void

- Pyrophoric liquids Void - Pyrophoric solids Void

- Self-heating substances and mixtures Void - Substances and mixtures, which emit flammable gases in contact with

water Void - Oxidising liquids Void - Oxidising solids Void Void

- Organic peroxides - Corrosive to metals Void

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- Desensitised explosives

Void

SECTION 10: Stability and reactivity

- 10.1 Reactivity No further relevant information available.

- 10.2 Chemical stability

- Thermal decomposition / conditions to be

avoided:

- 10.3 Possibility of hazardous reactions - 10.4 Conditions to avoid

- 10.5 Incompatible materials:

- 10.6 Hazardous decomposition products:

No dangerous reactions known. No further relevant information available.

No further relevant information available.

No dangerous decomposition products known.

No decomposition if used according to specifications.

Based on available data, the classification criteria are not met.

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SECTION 11: Toxicological information

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

- Acute toxicity

- Skin corrosion/irritation

- Serious eye damage/irritation

- Respiratory or skin sensitisation - Germ cell mutagenicity

- Carcinogenicity

- Reproductive toxicity - STOT-single exposure

- STOT-repeated exposure

- Aspiration hazard - 11.2 Information on other hazards

- Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

- 12.1 Toxicity

- Aquatic toxicity:

- 12.2 Persistence and degradability - 12.3 Bioaccumulative potential

- 12.4 Mobility in soil

- 12.5 Results of PBT and vPvB assessment - PRT

- vPvB:

- 12.6 Endocrine disrupting properties - 12.7 Other adverse effects

- Additional ecological information:

- General notes:

Not applicable. Not applicable.

No further relevant information available.

No further relevant information available.

No further relevant information available

No further relevant information available.

The product does not contain substances with endocrine disrupting properties.

Not hazardous for water.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods

- Recommendation Disposal according to official regulations

- European waste catalogue

12 01 13 | welding wastes

- Uncleaned packaging:

- Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

- 14.1 UN number or ID number

ADR, ADN, IMDG, IATA

Void

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- 14.2 UN proper shipping name - ADR, ADN, IMDG, IATA	Void	
- 14.3 Transport hazard class(es)		
- ADR, ADN, IMDG, IATA		
- Class	Void	
- 14.4 Packing group		
- ADR, IMDG, IATA	Void	
- 14.5 Environmental hazards:	Not applicable.	
- 14.6 Special precautions for user	Not applicable.	
- 14.7 Maritime transport in bulk according to IMC	D instruments Not applicable.	
- UN "Model Regulation":	Void	

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- Named dangerous substances ANNEX I None of the ingredients is listed.
- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment Annex II

None of the ingredients is listed.

- REGULATION (EU) 2019/1148
- Annex I RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

- Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Department issuing SDS: **Technical Documentation**

- Date of previous version: 21.04.2023

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International - Abbreviations and acronyms:

Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association

INTA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

- www.echa.europa.eu - www.baua.de

IFA: Institute für Occupational Safety and Health of the German Social Accident Insurance:

- www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index.jsp

- www.dguv.de/ifa/gestis/gestis-dnel-liste

* Data compared to the previous version altered.

- Sources

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