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**SAFETY DATA SHEET**

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

## 1.1 Product identifier

- Product Name: Boilertek 920
- Datasheet Number: 920

## 1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/mixture: Steam boiler treatment to remove dissolved oxygen

## 1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Western Environmental Ltd
- Address of Supplier: Western House  
Owen Road  
Britonwood Trading Estate  
Knowsley  
Merseyside  
UK  
L33 7YP
- Telephone: +44 (0) 151 546 1000
- Fax: +44 (0) 151 546 5777
- Responsible Person: Mr Ken Ward
- Email: ken.ward@westerngroup.co.uk

## 1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 151 546 1000
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**SECTION 2 Hazards identification**

## 2.1 Classification of the substance or mixture

- Acute Tox. 4
- EC regulation criteria 1272/2008 (CLP)
- CHIP:
- CLP:

## 2.2 Label elements



- Symbols: GHS07
- Signal Word: Warning
- Hazard phrases  
H302 - Harmful if swallowed.
- Precautionary Phrases  
P264 - Wash hands and working surfaces thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P330 - Rinse mouth.

## 2.3 Other hazards

- None
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## SECTION 3 Composition/information on ingredients

### 3.1 Substances

- <Chemical Name>  
CAS Number:  
EC Number:  
Categories:  
R/H Phrases:

### 3.2 Mixtures

- <Chemical Name>  
CAS Number:  
EC Number:  
Concentration:  
Categories:  
R/H Phrases:
- 

## SECTION 4 First aid measures

### 4.1 Description of first aid measures

- P361 - Remove/Take off immediately all contaminated clothing.
- P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label
- Give plenty of water to drink
- P304+P341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

### 4.2 Most important symptoms and effects, both acute and delayed

- None.

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

None.

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## SECTION 5 Fire-fighting measures

### 5.1 Extinguishing media

- S43 - In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide

### 5.2 Special hazards arising from the substance or mixture

- In case of fire, do not breathe fumes

### 5.3 Advice for firefighters

- Wear chemical protection suit and positive-pressure breathing apparatus
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## SECTION 6 Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- Evacuate the area and keep personnel upwind
- Wear protective clothing as per section 8

### 6.2 Environmental Precautions

- Contain spillage by any means possible
  - Do not allow to enter public sewers and watercourses
  - If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities
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**SECTION 6 Accidental release measures (....)**

S57 - Use appropriate containment to avoid environmental contamination

**6.3 Methods and material for containment and cleaning up**

- Absorb spillage in dry sand
- S40 - To clean the floor and all objects contaminated by this material use water

**6.4 Reference to other sections**

- None
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**SECTION 7 Handling and storage****7.1 Precautions for safe handling**

- S24/25 - Avoid contact with skin and eyes
- P270 - Do not eat, drink or smoke when using this product.
- P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

**7.2 Conditions for safe storage, including any incompatibilities**

- S14 - Keep away from acid
- S14 - Keep away from oxidising substances
- S7/9 - Keep container tightly closed and in a well ventilated place

**7.3 Specific end use(s)**

- None in particular.
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**SECTION 8 Exposure controls/personal protection****8.1 Control parameters**

- (USA) TLV (TWA) 5 mg/m<sup>3</sup>
- (USA) TLV (STEL) : A4

**8.2 Exposure controls**

- Engineering controls should be provided to prevent the need for ventilation
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**SECTION 9 Physical and chemical properties****9.1 Information on basic physical and chemical properties**

- Odour: Pungent odour (sulphur dioxide).
- pH 3.5 - 5.0 at 100 % concentration
- Boiling point 102 °C to 108 °C at 760 mm /Hg
- Completely soluble in water
- Specific gravity (water=1) 1.31
- Partition coefficient : n-Octanol/water -3.7
- Appearance: Liquid, colourless
- Odour:
- pH:
- Melting point/Range:
- Freezing point/Range:
- Boiling Point/Range:
- Flammability:
- Specific Gravity:
- Solubility in water:
- Oxidising Properties:

**9.2 Other information**

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**SECTION 10 Stability and reactivity****10.1 Reactivity**

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**SECTION 10 Stability and reactivity (....)**

- Stable under normal conditions.
- 10.2 Chemical stability
- Stability: The product is stable.
- 10.3 Possibility of hazardous reactions
- None.
- 10.4 Conditions to avoid
- Avoid contact with acid
  - Avoid contact with oxidising substances
- 10.5 Incompatible materials
- R31 - Contact with acids liberates toxic gas
- 10.6 Hazardous Decomposition Products
- Decomposition products may include toxic gas
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**SECTION 11 Toxicological information**

- 11.1 Information on toxicological effects
- LD50 (oral,rat) 1540 mg/kg
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**SECTION 12 Ecological information**

- 12.1 Toxicity
- R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
  - LC50 (fish) 150 - 220 mg/l (96 hr)
  - EC50 (daphnia) 89 mg/l (48 hr)
- 12.2 Persistence and degradability
- None.
- 12.3 Bioaccumulation Potential
- None.
- 12.4 Mobility in soil
- Completely soluble in water
- 12.5 Results of PBT and vPvB assessment
- None.
- 12.6 Other Adverse Effects
- None.
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**SECTION 13 Disposal considerations**

- 13.1 Waste treatment methods
- P501 - Dispose of contents/container to an authorised waste collection point
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**SECTION 14 Transport information**

- 14.1 UN Number
- UN No.: N/A
- 14.2 UN Proper Shipping Name
- Proper Shipping Name:
- 14.3 Transport hazard class(es)
- Hazard Class:
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**SECTION 14 Transport information (....)**

## 14.4 Packing group

- Packing Group:
- Packing Group:

## 14.5 Environmental hazards

## 14.6 Special precautions for user

## 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- DOT Proper Shipping Name:
  - Hazardous Material:
  - Hazard Class:
  - Identification Number:
  - Product RQ (lbs):
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**SECTION 15 Regulatory information**

## 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)

## 15.2 Chemical Safety Assessment

No.

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**SECTION 16 Other information**

FDA Approval; The supplier states that "it is approved for use in boiler systems in a food environment" and has regulatory approval FDA 21CFR 173.310 boiler additives.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regards to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Western Environmental Ltd and its affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.