



## SAFETY DATA SHEET

EWS S10

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Compilation date: 13/04/2016

Revision No: 1

### Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

**Product name:** EWS S10

**CAS number:** 7631-90-5

**EINECS number:** 231-548-0

**Index number:** 016-064-00-8

**Synonyms:** SODIUM HYDROGENSULPHITE...100%

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

**Use of substance / mixture:** Boiler water treatment.

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

**Company name:** Future Water Ltd

The Pattern House

Milford Bridge

Milford

Derbyshire

DE56 0RR

**Tel:** 01332 841122

**Fax:** 01332 841155

**Email:** office@futurewaterltd.co.uk

#### 1.4. Emergency telephone number

### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification under CLP:** Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Dam. 1: H318; STOT SE 3: H335; -: EUH031

**Classification under CHIP:** Xn: R22; -: R31; Xi: R36/37/38

**Most important adverse effects:** Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. Contact with acids liberates toxic gas.

#### 2.2. Label elements

**Label elements under CLP:**

**Hazard statements:** H302: Harmful if swallowed.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H335: May cause respiratory irritation.

EUH031: Contact with acids liberates toxic gas.

**Signal words:** Warning

[cont...]

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**Hazard pictograms:** GHS07: Exclamation mark



**Precautionary statements:** P352: Wash with plenty of soap and water.  
P270: Do not eat, drink or smoke when using this product.  
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
P330: Rinse mouth.  
P501: Dispose of contents/container to an approved waste facility.

## 2.3. Other hazards

**PBT:** This product is not identified as a PBT substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

SODIUM BISULPHITE - REACH registered number(s): 01-2119524563-42-XXXX

EINECS	CAS	CHIP Classification	CLP Classification	Percent
231-548-0	7631-90-5	-	Acute Tox. 4: H302; -: EUH031	30-50%

**Contains:** Contains Catalysed Bisulphite Solution

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water.  
**Eye contact:** Bathe the eye with running water for 15 minutes.  
**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.  
**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

**Skin contact:** There may be mild irritation at the site of contact.  
**Eye contact:** There may be irritation and redness.  
**Ingestion:** There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting.  
**Inhalation:** Absorption through the lungs can occur causing symptoms similar to those of ingestion.  
**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

[cont...]

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## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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

**Exposure hazards:** In combustion emits toxic fumes.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

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

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid the formation or spread of mists in the air. Avoid direct contact with the substance.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

[cont...]

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**Hazardous ingredients:**

**SODIUM BISULPHITE...100%**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	5 mg/m3	-	-	-

## 8.1. DNEL/PNEC Values

**DNEL / PNEC** No data available.

## 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Pale pink.

**Odour:** Pungent

**Solubility in water:** Soluble

**Viscosity:** Non-viscous

**Flash point°C:** >93

**Relative density:** 1.31

**pH:** 3-5

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions. Store product above 7°C to prevent crystallisation.

Storage at elevated temperatures will cause loss of product strength.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

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## 10.4. Conditions to avoid

Conditions to avoid: Heat.

## 10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

## 10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicity values:

Route	Species	Test	Value	Units
IVN	RAT	LD50	115	mg/kg
ORL	RAT	LD50	2	gm/kg

#### Hazardous ingredients:

##### SODIUM BISULPHITE...100%

IVN	RAT	LD50	115	mg/kg
ORL	RAT	LD50	2	gm/kg

#### Relevant effects for mixture:

Effect	Route	Basis
Acute toxicity (harmful)	ING	Hazardous: calculated
Irritation	OPT INH DRM	Hazardous: calculated

## Symptoms / routes of exposure

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting.

**Inhalation:** Absorption through the lungs can occur causing symptoms similar to those of ingestion.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

### 12.1. Toxicity

[cont...]

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## Ecotoxicity values:

Species	Test	Value	Units
FISH	96H LC50	150-220	mg/l

## 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

## 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

## 12.4. Mobility in soil

**Mobility:** Readily absorbed into soil.

## 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT substance.

## 12.6. Other adverse effects

**Other adverse effects:** Do not allow concentrated product to enter rivers or water courses. Negligible ecotoxicity.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Disposal should be carried out by licenced contractors. Transfer to a suitable container and arrange for collection by specialised disposal company. Do not allow entry to drains or waterways.

**Disposal of packaging:** Containers must be disposed of in a safe way.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN2693

### 14.2. UN proper shipping name

**Shipping name:** BISULPHITES, AQUEOUS SOLUTION, N.O.S.  
(SODIUM BISULPHITE...100%)

### 14.3. Transport hazard class(es)

**Transport class:** 8

### 14.4. Packing group

**Packing group:** III

### 14.5. Environmental hazards

**Environmentally hazardous:** No

**Marine pollutant:** No

[cont...]

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## 14.6. Special precautions for user

**Special precautions:** No special precautions.

**Tunnel code:** E

**Transport category:** 3

## Section 15: Regulatory information

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

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and 3:** EUH031: Contact with acids liberates toxic gas.

H302: Harmful if swallowed.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H335: May cause respiratory irritation.

R22: Harmful if swallowed.

R31: Contact with acids liberates toxic gas.

R36/37/38: Irritating to eyes, respiratory system and skin.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.