

# SAFETY DATA SHEET



**Product Name:** **BWT-OXYCLEAN-15**

**Version No.** 2 | **Revision date** 01-06-2015 | **Initial issue date** 02-06-2003

## 1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND OF THE COMPANY

**1.1 Product Identifier** BWT-OXYCLEAN-15

**1.2 Relevant/Use(s)/misuse(s)** Industrial

**1.3 SDS Supplier** Beacon Water Treatments Limited  
Parsons Hall Industrial Estate  
High Street  
Irchester, NN29 7AB  
Telephone: 01933 410066

**1.4 Emergency Telephone** 01604 505735 (Office hours) | **Competent Person e-mail:** trevor@rising-hsande.co.uk

## 2. HAZARDS IDENTIFICATION

### 2.1 CLASSIFICATION OF THE SUBSTANCE

#### 2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP/GHS)

Skin Irrit. 2 H315  
Eye Dam. 1 H318  
STOT SE 3 H335

#### 2.1.2 Additional information

For text of hazard statements, see section 16

### 2.2 LABELLING ELEMENTS

#### 2.2.1 Labelling in accordance with EC Regulation No 1272/2008 (CLP/GHS)

**Pictogram(s):**



**Signal word**

DANGER

**Hazard statement(s)**

H315 CAUSES SKIN IRRITATION.  
H318 CAUSES SERIOUS EYE DAMAGE.  
H335 MAY CAUSE RESPIRATORY IRRITATION.

**Precautionary statement(s)**

P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.  
P312 CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL.  
P302+352 IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER.  
P304+340 IF INHALED: REMOVE TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING.  
P305+351+338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

**2.3 Other hazards** None known

**Product Name:**

**BWT-OXYCLEAN-15**

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical Characterisation**                      AQUEOUS SOLUTION OF HYDROGEN PEROXIDE, STABILISED WITH COLLOIDAL SILVER

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
HYDROGEN PEROXIDE	7722-84-1	231-765-0	Ox. Liq. 1 H271; Acute Tox. 4 H302; Skin Corr. 1A H314; Acute Tox. 4 H332	30-60%

### 4. FIRST AID MEASURES

#### 4.1 Description of measures

<b>Inhalation</b>	If inhaled, provide fresh air, warmth, rest and if necessary, seek medical advice.
<b>Skin contact</b>	Clean areas of skin affected with soap and plenty of water. If necessary, seek medical advice.
<b>Eye contact</b>	Immediately wash out eye thoroughly with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.
<b>Ingestion</b>	If product is swallowed, do NOT induce vomiting. Drink plenty of water; if necessary, seek medical advice.

**4.2 Most important effects/symptoms**                      None known.

**4.3 Immediate/special treatment**                      Treatment as described above.

### 5. FIRE FIGHTING MEASURES

<b>5.1 Extinguishing media</b>	Use fire fighting extinguishing media appropriate for surrounding materials. The product is not flammable
<b>5.2 Special hazards</b>	Decomposition products released in a fire should be considered as probably harmful if inhaled.
<b>5.3 Advice for fire fighters</b>	Containers close to the fire should be removed immediately or cooled with water. Oxidising; under certain conditions this product may accelerate the fire. Heat may cause the containers to explode. Wear self-contained breathing apparatus.

### 6. ACCIDENTAL RELEASE MEASURES

<b>6.1 Personal precautions</b>	Adhere to personal protective measures.
<b>6.2 Environmental precautions</b>	Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.
<b>6.3 Methods and materials for cleaning up</b>	Absorb in vermiculite, dry sand and place in containers. Do not use sawdust or other combustible material. Flush with plenty of water to clean spillage area. Label container and dispose of as prescribed
<b>6.4 Reference to other sections</b>	See section 8 for personal protective equipment.

### 7. HANDLING AND STORAGE

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## 7. HANDLING AND STORAGE

<b>7.1 Precautions for safe handling</b>	Handle in accordance with good hygiene and safety practice.
<b>7.2 Conditions for safe storage</b>	Ensure adequate ventilation of the storage area. Keep containers tightly closed, cool and dry. Keep upright..
<b>7.3. Specific end use(s)</b>	Industrial

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>8.1 Controls parameters</b>	Occupational Exposure Limits (WELs) have been assigned (EH40/2011). LTEL (8 hr TWA) 1.0 ppm 1.4 mg/m <sup>3</sup> Data for hydrogen peroxide STEL (15 min) 2.0 ppm 2.8 mg/m <sup>3</sup> Data for hydrogen peroxide
<b>8.2 Exposure controls</b>	
<b>Engineering controls</b>	Ensure adequate ventilation of working area.
<b>Personal protection</b>	Observe normal standards for handling chemicals. Wash hands before breaks and after work. Promptly remove any clothing that becomes contaminated. Wash promptly if skin becomes contaminated Avoid contact with skin and eyes. Wear personal protective equipment appropriate to the task (see below)
<b>Eye protection</b>	Safety goggles (e.g. EN 166) if splashing is likely.
<b>Skin protection</b>	Gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
<b>Respiratory protection</b>	Approved respirator if ventilation is insufficient.
<b>Other protection</b>	Protective overall

## 9. PHYSICAL & CHEMICAL PROPERTIES

### 9.1 Basic physical and chemical properties

<b>Physical form</b>	Liquid
<b>Colour</b>	
<b>Odour</b>	Characteristic
<b>Odour threshold</b>	No data available
<b>pH</b>	1.7 (conc. solution)
<b>Boiling pt / range</b>	From 100 °C
<b>Melting pt / range</b>	-52 °C
<b>Flash point</b>	Not applicable °C
<b>Auto ignition temp.</b>	Not applicable °C
<b>Evaporation rate</b>	Not applicable
<b>Relative density</b>	1.196
<b>Flammability</b>	Not applicable
<b>Explosion limits</b>	Not applicable
<b>Vapour pressure</b>	Not applicable

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## 9. PHYSICAL & CHEMICAL PROPERTIES

### 9.1 Basic physical and chemical properties

<b>Relative vapour density</b>	Not determined
<b>Water solubility</b>	Completely miscible
<b>Thermal decomposition</b>	No data available
<b>Viscosity</b>	1.85 mPas
<b>Partition coefficient</b>	Log P <sub>o/w</sub> = Not determined
<b>Explosive properties</b>	Not applicable
<b>Oxidising properties</b>	Not applicable
<b>9.2 Other information</b>	None known

## 10. STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	Stable under normal conditions of handling.
<b>10.2 Chemical stability</b>	Stable under normal temperature conditions and recommended use. Product is a stabilised oxidising agent. Danger of decomposition, yielding oxygen, in contact with impurities, decomposition catalysts and incompatible substances
<b>10.3 Hazardous reactions</b>	None known.
<b>10.4 Conditions to avoid</b>	Avoid excessive heat for prolonged periods of time
<b>10.5 Incompatible material</b>	Impurities, metal ions, metallic salts, metals, reducing agents, combustible substances
<b>10.6 Hazardous decomposition products</b>	None

## 11. TOXICOLOGICAL INFORMATION

### 11.1 information on toxicological effects

<b>Acute toxicity</b>	LD <sub>50</sub> rat (oral)	>2000	mg/kg
<b>Dermal compatibility</b>	No data available. May causes burns. At prolonged exposure time, irritation (white coloration) of the mucosaeand skin can occur (blistering)		
<b>Mucous membrane compatibility</b>	No data available. Can cause burns. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.		

## 12. ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	LC <sub>50</sub>	Fish	4.9	mg/l	96 hours
	EC <sub>50</sub>	Daphnia magna	2.8	mg/l	48 hours
<b>12.2 Degradability</b>	No data available				
<b>12.3 Bioaccumutive potential</b>	Not determined				
<b>12.4 Mobility in soil</b>	Not determined				
<b>12.5 PBT/vPvB assessment</b>	Not applicable				
<b>12.6 Other adverse effects</b>	Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.				



## 13. DISPOSAL CONSIDERATIONS

<b>Product Name:</b>	<b>BWT-OXYCLEAN-15</b>
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### 13.1 Waste treatment measures

<b>Advice on disposal</b>	In accordance with national and local authority regulations, e.g. The Hazardous Waste (England & Wales) Regulations 2005.
<b>Contaminated packaging</b>	Treat empty containers in the same way as the product or if possible wash out thoroughly and recycle.

## 14. TRANSPORT INFORMATION

<b>14.1 United Nations number</b>	UN2014 (ADR, IMDG, IATA)	
<b>14.2 Proper shipping name</b>	HYDROGEN PEROXIDE, AQUEOUS SOLUTION (ADR, IMDG, IATA)	
<b>14.3 Transport class(s)</b>	5.1(8) (ADR, IMDG, IATA)	
<b>14.4 Packing group</b>	II (ADR, IMDG, IATA)	
<b>14.5 Environmental hazards</b>	The product should not be marked as a marine pollutant. (ADR, IMDG, IATA)	
<b>14.6 Special procedures</b>	Not applicable (ADR, IMDG, IATA)	
<b>14.7 Transport in bulk</b>	Not applicable (ADR, IMDG, IATA)	

## 15. REGULATORY INFORMATION

<b>15.1 Safety, health and environmental regulations</b>	The product is classified in accordance with EC Regulation 1272/2008 (CLP). Other regulatory information and provisions are not applicable for this product.
<b>15.2 Chemical safety assessment</b>	Not applicable

## 16. OTHER INFORMATION

<b>Further information</b>	The SDS has been revised in accordance with EC Regulation 1272/2008 (CLP)
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### Hazard statements referred to in sections 2/3

H271: May cause fire or explosion; strong oxidiser.  
H302: Harmful if swallowed  
H314: Causes severe skin burns and eye damage.  
H315: Causes skin irritation.  
H318: Causes serious eye damage.  
H332: Harmful if inhaled  
H335: May cause respiratory irritation.

<b>Sources of data</b>	Other suppliers' safety data sheets
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**Date of issue** 01-06-2015

**This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. It should not be construed as guaranteeing specific properties.**

Data sheet prepared by Rising HS&E Services.