

# SAFETY DATA SHEET



<b>Product Name:</b>		<b>BDS/2</b>	
<b>Version No.</b>	2	<b>Revision date</b>	01-06-2015
		<b>Initial issue date</b>	02-09-2003

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

<b>1.1 Product Identifier</b>	BDS/2	
<b>1.2 Relevant/Use(s)/misuse(s)</b>	Industrial	
<b>1.3 SDS Supplier</b>	Beacon Water Treatments Limited Parsons Hall Industrial Estate High Street Irchester NN29 7AB 01604 505735 (Office hours)	<b>Telephone:</b> 01933 410066 <b>Competent Person e-mail:</b> trevor@rising-hsande.co.uk
<b>1.4 Emergency Telephone</b>		

## 2. HAZARDS IDENTIFICATION

### 2.1 CLASSIFICATION OF THE SUBSTANCE

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

Skin Corr. 1B H314

#### 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)**

H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.

**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.  
P303+361+353 IF ON SKIN (OR HAIR): REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER.  
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

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Product Name:** **BDS/2**

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical Characterisation** AQUEOUS ACIDIC SOLUTION PLUS ADDITIVES

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
PHOSPHORIC ACID	7664-38-2	231-633-2	Skin Corr. 1B H314	30-35%
1,2,3-BENZOTRIAZOLE	95-14-7	202-394-1	Acute Tox. 4 H302	< 1.0%

### 4. FIRST AID MEASURES

#### 4.1 Description of measures

<b>Inhalation</b>	Remove casualty to fresh air and provide warmth and rest; if necessary, seek medical advice
<b>Skin contact</b>	Immediately 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 until irritation subsides. If necessary, consult an eye specialist/ophthalmologist.
<b>Ingestion</b>	If product is swallowed, do NOT induce vomiting. Drink plenty of water; if necessary, seek medical advice.
<b>4.2 Most important effects/symptoms</b>	None known.
<b>4.3 Immediate/special treatment</b>	Treatment as described above.

### 5. FIRE FIGHTING MEASURES

<b>5.1 Extinguishing media</b>	To suit local surroundings (e.g. water mist, carbon dioxide, foam, chemical powder for large fires). 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>	Wear self-contained breathing apparatus. Avoid run-off water entering the drains (e.g. use barriers)

### 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>	Take up with absorbent material, e.g. sand, sawdust, into tightly closed containers. 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

<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.
<b>7.3. Specific end use(s)</b>	Industrial

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Product Name:**

**BDS/2**

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**8.1 Controls parameters** Monitoring of the workplace should be considered in accordance with EH40 (or equivalent) controls

LTEL (8 hour TWA): ppm 1 mg/m<sup>3</sup> WEL data for phosphoric acid

STEL (15 min.): ppm 2 mg/m<sup>3</sup> WEL data for phosphoric acid

Phosphoric acid can be absorbed through the skin.

### 8.2 Exposure controls

#### Engineering controls

Ensure adequate ventilation of working area.

#### Personal protection

Observe normal standards for handling chemicals.

Wash hands before breaks and after work.

Avoid contact with skin and eyes.

Wear personal protective equipment appropriate to the task (see below)

#### Eye protection

Safety goggles (e.g. EN 166) if splashing is likely.

#### Skin protection

Gloves (e.g. Nitrile; also consider your own risk assessment.)

#### Respiratory protection

Approved respirator (e.g. EN 149:2001 FFP3) if ventilation is insufficient.

#### Other protection

Protective overall

## 9. PHYSICAL & CHEMICAL PROPERTIES

### 9.1 Basic physical and chemical properties

#### Physical form

Liquid

#### Colour

#### Odour

Characteristic

#### Odour threshold

No data available

#### pH

< 1.0

#### Boiling pt / range

From 100 °C

#### Melting pt / range

Not determined °C

#### Flash point

Not applicable °C

#### Auto ignition temp.

Not applicable °C

#### Evaporation rate

Not applicable

#### Relative density

1.19 – 1.21

#### Flammability

Not applicable

#### Explosion limits

Not applicable

#### Vapour pressure

Not applicable

#### Relative vapour density

Not determined

#### Water solubility

Miscible

#### Thermal decomposition

No data available

#### Viscosity

Not applicable

#### Partition coefficient

Log P<sub>o/w</sub> = Not determined

#### Explosive properties

Not applicable

<b>Product Name:</b>	<b>BDS/2</b>
----------------------	--------------

## 9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Basic physical and chemical properties

**Oxidising properties** Not applicable

**9.2 Other information** None known

## 10. STABILITY AND REACTIVITY

**10.1 Reactivity** Stable under normal conditions of handling.

**10.2 Chemical stability** Stable

**10.3 Hazardous reactions** None known.

**10.4 Conditions to avoid** None known.

**10.5 Incompatible material** None known

**10.6 Hazardous decomposition products** None known

## 11. TOXICOLOGICAL INFORMATION

**11.1 information on toxicological effects**

**Acute toxicity** LD<sub>50</sub> rat (oral) mg/kg No data available

**Dermal compatibility** No data available

**Mucous membrane compatibility** No data available

## 12. ECOLOGICAL INFORMATION

**12.1 Toxicity** LC<sub>50</sub> Aquatic organisms mg/l No data available

**12.2 Degradability** No data available

**12.3 Bioaccumulative potential** Not determined

**12.4 Mobility in soil** Not determined

**12.5 PBT/vPvB assessment** Not applicable

**12.6 Other adverse effects** Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.

## 13. DISPOSAL CONSIDERATIONS

**13.1 Waste treatment measures**

**Advice on disposal** In accordance with national and local authority regulations, e.g. The Hazardous Waste (England & Wales) Regulations 2005.

**Contaminated packaging** Treat empty containers in the same way as the product or if possible wash out thoroughly and recycle.

**Product Name:** **BDS/2**

#### 14. TRANSPORT INFORMATION

<b>14.1 United Nations number</b>	Not classified (ADR, IMDG, IATA)
<b>14.2 Proper shipping name</b>	Not classified (ADR, IMDG, IATA)
<b>14.3 Transport class(s)</b>	Not classified (ADR, IMDG, IATA)
<b>14.4 Packing group</b>	Not classified (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

**Further information** The SDS has been revised in accordance with EC Regulation 1272/2008 (CLP)

**Hazard statements referred to in sections 2/3**

H302: Harmful if swallowed  
H314: Causes severe skin burns and eye damage.

**Sources of data** Other suppliers' safety data sheets

**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.