



## SAFETY DATA SHEET

# SPECTRUS BD1500

## 1 IDENTIFICATION OF PREPARATION AND OF COMPANY

### 1.1 Identification of the substance or preparation

Product : SPECTRUS BD1500

### 1.2 Use of substance/preparation

Biodispersant

### 1.3 Company/undertaking identification

GE Water & Process Technologies France S.A.S.

Allée du 1er Mai

Parc d'Activités de Paris-Est

F-77183 Croissy Beaubourg

Tel.: 01 60 37 59 60

e-mail : emea.productstewardship@ge.com

### 1.4 Emergency telephone

- GE Betz (24h/24h) : 01 60 37 00 00

- Official advisory body

ORFILA : 01 45 42 59 59

## 2 HAZARDS IDENTIFICATION

### Important hazards

- |                          |   |
|--------------------------|---|
| - Health/physical hazard | Not considered hazardous to health.                             |
| - Symptoms of exposure   | Prolonged or repeated exposure may cause transient irritation.  |
| - Environmental hazards  | The product is not classified as dangerous for the environment. |

## 3 COMPOSITION / INFORMATION ON INGREDIENTS

### Chemical description

Aqueous alkaline solution of polymer based on propylene oxide and ethylene oxide

Hazardous component(s)	EINECS/ELINCS #	CAS #	Conc.
Sodium hydroxide C, R35	215-185-5	1310-73-2	< 0.5 %

### Remarks

As specified in EC Directive 93/112/EC, some substances, without hazard classification, are mentioned in section 3 since they have exposure limits in some of the European member states.

The classification of the above substance(s) is given, including the symbol letters and R phrases which are assigned in accordance with their physicochemical, health and environmental hazards. Please refer to section 16 (Relevant R phrases, used in sections 2 and 3 of this SDS), where the full text of each relevant R phrase is listed.



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## 4 FIRST AID MEASURES

Skin contact	Wash with water.
Eye contact	Flush immediately with plenty of running water.
Inhalation	Remove to fresh air.
Ingestion	Rinse mouth with water.

## 5 FIRE-FIGHTING MEASURES

<b>Extinguishing Media</b>	
- Suitable	Carbon dioxide, dry chemicals, foam, water spray (fog).
<b>Special protective equipment for fire fighters</b>	Self contained breathing apparatus. (CEN : EN 137) Protective clothing (CEN : EN 469) Protective gloves (CEN : EN 659) Helmet (CEN : EN 443)
<b>Special exposure hazards</b>	Oxides of carbon evolved in fire.

## 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Protective clothing Please refer also to section no. 8 'Exposure controls' for further information.
<b>Environmental precautions</b>	Prevent from entering sewers or the immediate environment. Accidental release of large quantities into the aquatic environment may harm aquatic organisms.
<b>Methods for Cleaning Up</b>	
- on soil	Absorb onto inert material and dispose of according to Controlled Waste Regulations. Remove small spills with plenty of water.

## 7 HANDLING AND STORAGE

<b>7.1 Handling</b>	Alkaline. Do not mix with acidic material.
<b>7.2 Storage</b>	Reasonable and safe chemical storage. Store containers closed when not in use.
<b>7.3 Specific use(s)</b>	Only for professional and industrial users
<b>Maximum storage stability (days)</b>	720

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure limit values</b>	
- VME/VLE (INRS)	Sodium hydroxide : 2mg/m <sup>3</sup> (VME)-néant (VLE)
<b>Exposure controls</b>	
- Recommended engineering controls	Adequate ventilation to maintain air contaminants below exposure limits.



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### Exposure controls

- |                                   |  |
|-----------------------------------|--|
| - Respiratory protection          | In case of insufficient ventilation, use a breathing mask with filter type: P2<br>CEN : EN 140; EN 143; EN 149 |
| - Hand protection                 | Protective gloves (Plastic, impervious) (Protection against unintentional short-term contact)<br>CEN : EN 420  |
| - Eye protection                  | Safety goggles.<br>CEN : EN 166  |
| - Skin protection                 | Protective clothing if splashing or repeated contact with product is likely.<br>CEN : EN 340                   |
| - Environmental exposure controls | Prevent from entering in public sewers or the immediate environment.   |

## 9 PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 General information

Appearance	Liquid
Colour	Colourless
Odour	Slight

### 9.2 Important health, safety and environmental info

pH (concentrated product)	12,5
Flash point (Pensky/Martens) (°C)	> 100
Density at 20°C (kg/m <sup>3</sup> )	1020
Solubility in water (% weight)	Completely soluble
Viscosity at 20°C (mPas)	11
Relative vapour density (air=1)	< 1
Evaporation rate (ether=1)	< 1

### 9.3 Other information

Melting point, (°C)	-1
Pour point, (°C)	-3

## 10 STABILITY AND REACTIVITY

- |                                       |  |
|---------------------------------------|--|
| 10.1 Conditions to avoid              | Protect from freezing.                         |
| 10.2 Materials to avoid               | Avoid contact with strong acids and oxidisers. |
| 10.3 Hazardous decomposition products | Oxides of carbon evolved in fire.              |

## 11 TOXICOLOGICAL INFORMATION

### Mammalian Test Data

- |                               |                          |
|-------------------------------|--------------------------|
| - Oral LD50, rat (mg/kg)      | > 4600 (estimated value) |
| - Dermal LD50, rabbit (mg/kg) | > 2000 (estimated value) |



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### Exposure hazard

- Inhalation Prolonged or repeated exposure may cause transient irritation.
- Skin contact Prolonged or repeated contact may cause transient irritation.
- Eye contact Prolonged or repeated contact may cause transient irritation.
- Ingestion May cause slight gastrointestinal irritation.

## 12 ECOLOGICAL INFORMATION

### Ecotoxicity

- Rainbow Trout (mg/l) NOEL : 3000  
96 hour static renewal bioassay
- Fathead minnow (mg/l) LC0 : 2000  
96 hour static bioassay with 48 hour renewal
- Menidia beryllina (mg/l) LC0 : 5000  
96 hour static acute bioassay
- Daphnia Magna (mg/l) LC0 : 2000  
48 hour static acute bioassay
- Ceriodaphnia (mg/l) LC50 : > 3000  
48 hour static renewal bioassay
- Mysid shrimp (mg/l) LC25 : 5000  
NOEL : 2500  
96 hour static acute bioassay

### Persistence and degradability

- COD (mgO<sub>2</sub>/g) 341 (calculated data)
- BOD 5 (mgO<sub>2</sub>/g) 4 (calculated data)
- BOD 28 (mgO<sub>2</sub>/g) 5 (calculated data)
- Closed Bottle Test (% Degradation in 28 days) 1 (calculated data)
- Zahn-Wellens Test (% Degradation in 28 days) 9 (calculated data)
- TOC (mg C/g) 80 (calculated data)

### Other adverse effects

- Nutrients N= None

### Summary

The product is not classified as dangerous for the environment.  
The evaluation of environmental hazards is based on the concentration limits as set out in directive 1999/45/EC.

## 13 DISPOSAL CONSIDERATIONS

### Disposal of product

According to Controlled Waste Regulations.

EWC ( European Waste Code ) recommendation : 16 03 06  
16 Wastes not otherwise specified in the list.  
16 03 Off-specification batches and unused products.  
16 03 06 Organic wastes  
Depending on the origin and state of the waste, other EWC numbers may be applicable too.



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<b>Disposal of packaging</b>	According to Controlled Waste Regulations.  EWC ( European Waste Code ) recommendation : 15 01 02, 15 01 04 15 Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified. 15 01 Packaging (including separately collected municipal packaging waste). 15 01 02 Plastic packaging. 15 01 04 Metallic packaging. Depending on the origin and state of the waste, other EWC numbers may be applicable too.
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## 14 TRANSPORT INFORMATION

<b>Substance id.no. (SIN) (UN No.)</b>	Not applicable.
<b>Correct shipping name</b>	Not applicable.
<b>Land transport</b>	
- RID/ADR classification	Not classified under this legislation.
<b>Maritime transport</b>	
- IMO-IMDG class	Not classified under this legislation
<b>Air transport</b>	
- ICAO/IATA classification	Not classified under this legislation

## 15 REGULATORY INFORMATION

<b>EEC labelling information</b>	
- Symbol(s)	None.
- R Phrase(s)	No Risk phrases assigned.
- S Phrase(s)	No Safety phrases assigned.
- EINECS number	All ingredients of this product are listed in EINECS or ELINCS, unless specifically exempted under the EEC Directive 67/548/EEC.
<b>Other</b>	Safety Data Sheet available for professional user on request.
<b>NSF Registered and/or meets USDA (according to 1998 guidelines):</b>	Registration No. – 141059 Category Code(s): G5 Cooling and retort water treatment products G7 Boiler, steam line treatment products – nonfood contact

## 16 OTHER INFORMATION

<b>Nature of revision</b>	Correction in Section: 9,11,12
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## SAFETY DATA SHEET

# SPECTRUS BD1500

Based on EC Directive /  
Regulations

1999/45/EC  
2001/118/EC  
2001/58/EC  
(EC) No 1907/2006 (REACH)

This information is based on our current knowledge and is intended to describe the product for the purpose of safety requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Relevant R phrases, used in  
sections 2 and 3 of this SDS

R 35 : Causes severe burns.