

# Water & Process Technologies



Version: 8.0

Effective Date: 10/06/2008

Previous Date: 05/06/2008

## SAFETY DATA SHEET

### EMBREAK 2W6969

## 1 IDENTIFICATION OF PREPARATION AND OF COMPANY

### 1.1 Identification of the substance or preparation

Product : EMBREAK 2W6969

### 1.2 Use of substance/preparation

Water in oil emulsion breaker

### 1.3 Company/undertaking identification

GE Water & Process Technologies France SNC  
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 Harmful: may cause lung damage if swallowed.  
Harmful by inhalation.  
Irritating to eyes and skin.  
Repeated exposure may cause skin dryness or cracking.  
Vapours may cause drowsiness and dizziness
- Environmental hazards Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 3 COMPOSITION / INFORMATION ON INGREDIENTS

### Chemical description

Alkoxylated polymers in aromatic solvent

Hazardous component(s)	EINECS/ELINCS #	CAS #	Conc.
2-Butoxyethanol (Butylglycol) Xn, R20/21/22-36/38	203-905-0	111-76-2	< 20 %
Xylene Xn, R10-20/21-38	215-535-7	1330-20-7	< 12.5 %
Solvent naphtha (petroleum),heavy arom. Xn, N, R65-66-67-51/53	265-198-5	64742-94-5	> 25 %
1,2,4-Trimethylbenzene Xn, N, R10-20-36/37/38-51/53	202-436-9	95-63-6	2.5 - 20 %

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Hazardous component(s)	EINECS/ELINCS #	CAS #	Conc.
1,3,5-Trimethylbenzene Xi, N, R10-37-51/53	203-604-4	108-67-8	< 2.5 %
Naphthalene Xn, N, R22-40-50/53	202-049-5	91-20-3	< 1 %

### Remarks

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.

## 4 FIRST AID MEASURES

<b>Skin contact</b>	Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists, seek medical advice.
<b>Eye contact</b>	Flush immediately with plenty of running water. If irritation persists, seek medical advice.
<b>Inhalation</b>	Remove patient to fresh air, allow to rest and keep warm. Seek medical attention.
<b>Ingestion</b>	Rinse mouth with water. Do NOT induce vomiting! Immediately give 1-2 glasses of water, if victim is fully conscious. Seek medical attention.

## 5 FIRE-FIGHTING MEASURES

<b>Extinguishing Media</b>	
- Suitable	Carbon dioxide, dry chemicals, foam.
- Not to be used	Water.
<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.
<b>Flash point (PMCC)</b>	60 °C

## 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Wear protective clothing, gloves and safety goggles. Please refer also to section no. 8 'Exposure controls' for further information.
<b>Environmental precautions</b>	Prevent from entering sewers or the immediate environment. Do not empty into drains, dispose of this material and its container to hazardous or special waste collection point.



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#### Methods for Cleaning Up

- on soil

Absorb onto inert material and dispose of according to Hazardous Waste Regulations.  
Remove small spills with plenty of water.

## 7 HANDLING AND STORAGE

#### 7.1 Handling

Do not breathe vapours.  
Avoid contact with skin and eyes.

#### 7.2 Storage

Keep container tightly closed.  
Do not store at elevated temperatures.  
Store in cool, well ventilated area.

#### 7.3 Specific uses

Only for professional and industrial users

Maximum storage stability (days) 720

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Exposure limit values

- VME/VLE (INRS)

2-Butoxyethanol (Butylglycol) : 2 ppm, 9,8 mg/m<sup>3</sup> (VME) - 30 ppm, 147,6 mg-m<sup>3</sup> (VLE), risk of percutaneous penetration  
Xylene : 50 ppm, 221 mg/m<sup>3</sup> (VME) - 100 ppm, 442 mg/m<sup>3</sup> (VLE) - Risk of percutaneous penetration  
Trimethylbenzenes: 20 ppm, 100 mg/m<sup>3</sup> (VME)  
Trimethylbenzenes: 20 ppm, 100 mg/m<sup>3</sup> (VME)  
Naphthalene: 10 ppm 50 mg/m<sup>3</sup> (VME), - néant (VLE)

#### Exposure controls

- Recommended engineering controls

Adequate ventilation to maintain air contaminants below exposure limits.

- Respiratory protection

In case of insufficient ventilation, use a breathing mask with filter type: A2-P2  
CEN : EN 140; EN 141

- Hand protection

Neoprene gloves (Protection against unintentional short-term contact)  
CEN : EN 374-1/2/3; EN 420

- Eye protection

Splash proof chemical goggles.  
CEN : EN 166

- Skin protection

Protective clothing.  
CEN : EN 340; EN 369; EN 465

- Environmental exposure controls

Prevent from entering in public sewers or the immediate environment.  
Do not empty into drains, dispose of this material and its container to hazardous or special waste collection point.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 General information

Appearance

Liquid

Colour

Brown

Odour

Hydrocarbon

#### 9.2 Important health, safety and environmental info

pH in aqueous solution

8,5 ( 5% Emulsion)



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EMBREAK 2W6969

**9.2 Important health, safety and environmental info**

Flash point (Pensky/Martens) (°C)	60
Density at 20°C (kg/m <sup>3</sup> )	910
Solubility in water (% weight)	Not miscible with water
Partition coefficient (Pow)	(Refers to active component) ( Solvent naphtha (petroleum),heavy arom. ): 2,9 - 6,1 OECD 117 (Refers to active component) ( 1,2,4-Trimethylbenzene ): 4,09 (Refers to active component) ( Naphthalene ): 3,3 OECD 107
Viscosity at 20°C (mPas)	6
Relative vapour density (air=1)	>1
Evaporation rate (ether=1)	<1

**9.3 Other information**

Melting point, (°C)	< -18
Pour point, (°C)	< -18

**10 STABILITY AND REACTIVITY**

<b>10.1 Conditions to avoid</b>	Keep away from heat.
<b>10.2 Materials to avoid</b>	Avoid contact with strong acids.
<b>10.3 Hazardous decomposition products</b>	Oxides of carbon evolved in fire.

**11 TOXICOLOGICAL INFORMATION**

**Mammalian Test Data**

- Oral LD50, rat (mg/kg)	No information available.
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**Exposure hazard**

- Inhalation	May cause chemical pneumonitis if aspirated into lungs. Prolonged exposure may cause dizziness and headache. Prolonged or repeated exposure may cause transient irritation.
- Skin contact	Causes irritation. Repeated exposure may cause skin dryness or cracking.
- Eye contact	Causes irritation.
- Ingestion	May cause slight gastrointestinal irritation. May cause nausea, dizziness and/or vomiting.

**12 ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	No data available
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<b>Persistence and degradability</b>	No data available
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**Bioaccumulative potential**

- Bioaccumulation	(Refers to active component) ( Solvent naphtha (petroleum),heavy arom. ): BCF : 130 - 159 (Refers to active component) ( 1,2,4-Trimethylbenzene ): BCF : 275 (Refers to active component) ( Naphthalene ): BCF : >100
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#### Bioaccumulative potential

- Partition coefficient (Pow) (Refers to active component) | Solvent naphtha (petroleum), heavy arom. |: 2,9 - 6,1  
OECD 117  
(Refers to active component) | 1,2,4-Trimethylbenzene |: 4,09  
(Refers to active component) | Naphthalene |: 3,3  
OECD 107

#### Other adverse effects

- Heavy metals None.

#### Summary

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic 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 Hazardous Waste Regulations.

EWC ( European Waste Code ) recommendation : 16 03 05  
16 03 Wastes not otherwise specified in the list.  
16 03 Off-specification batches and unused products.  
16 03 05 Organic wastes containing dangerous substances.  
Depending on the origin and state of the waste, other EWC numbers may be applicable too.

#### Disposal of packaging

According to Hazardous Waste Regulations.

EWC ( European Waste Code ) recommendation : 15 01 10  
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 10 Packaging containing residues of or contaminated by dangerous substances.  
Depending on the origin and state of the waste, other EWC numbers may be applicable too.

### 14 TRANSPORT INFORMATION

Substance id.no. (SIN) (UN No.) 1993  
Correct shipping name Flammable liquid, n.o.s.  
- Contains 1,2,4-Trimethylbenzene mixture  
Xylene mixture

#### Land transport

- Transport hazard label 3  
Flammable  
- RID/ADR classification 3  
- Packaging group III  
- Special provisions 640E

#### Maritime transport

- Transport hazard label 3  
Flammable.  
- IMO-IMDG class 3  
- Packaging group III



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#### Maritime transport

- EmS no. F-E, S-E
- MFAG no. See Emergency action guide.  
The treatment recommended in this Guide is specified in the appropriate tables and more comprehensive in the appropriate sections of the Appendices.

#### Air transport

- Transport hazard label 3  
Flammable
- ICAO/IATA classification 3

Other information TREMCARD 90GF1-III

## 15 REGULATORY INFORMATION

#### EEC labelling information

- Symbol(s)



Harmful: Xn



Dangerous for the environment: N

- Contains

Solvent naphtha (petroleum), heavy arom.  
1,2,4-Trimethylbenzene  
2-Butoxyethanol

- R Phrase(s)

R 20 :Harmful by inhalation.  
R 36/38 :Irritating to eyes and skin.  
R 65 :Harmful: may cause lung damage if swallowed.  
R 51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- S Phrase(s)

S 23 :Do not breathe vapour.  
S 26 :In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S 28 :After contact with skin, wash immediately with plenty of soap and water.  
S 36/37/39 :Wear suitable protective clothing, gloves and eye/face protection.  
S 61 :Avoid release to the environment. Refer to special instructions/Safety data sheets.  
S 62 :If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

- EINECS number

All ingredients of this product are listed in EINECS or ELINCS, unless specifically exempted under the EEC Directive 67/548/EEC.

- France

Tableau des maladies professionnelles n° 4 bis, 84  
Tableau des maladies professionnelles n° 84

## 16 OTHER INFORMATION

Nature of revision Correction in Section: 5,9,14

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**Based on EC Directive /  
Regulations**

1999/45/EC  
2001/58/EC  
2001/118/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 10 : Flammable.  
R 20 : Harmful by inhalation.  
R 22 : Harmful if swallowed.  
R 37 : Irritating to respiratory system.  
R 38 : Irritating to skin.  
R 40 : Limited evidence of a carcinogenic effect.  
R 65 : Harmful: may cause lung damage if swallowed.  
R 66 : Repeated exposure may cause skin dryness or cracking.  
R 67 : Vapours may cause drowsiness and dizziness.  
R 20/21 : Harmful by inhalation and in contact with skin.  
R 20/21/22 : Harmful by inhalation, in contact with skin and if swallowed.  
R 36/38 : Irritating to eyes and skin.  
R 36/37/38 : Irritating to eyes, respiratory system and skin.  
R 50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R 51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.