



SAFETY DATA SHEET

GENGARD GN7004

1 IDENTIFICATION OF PREPARATION AND OF COMPANY

1.1 Identification of the substance or preparation

Product : GENGARD GN7004

1.2 Use of substance/preparation

Dispersant

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 Irritating to eyes.
- Environmental hazards The product is not classified as dangerous for the environment.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical description

Polymer solution

Hazardous component(s)

2-Propenoic acid, polymer with
2-hydroxy-3-(2-propenyloxy)-1-propanesulfonic acid
monosodium salt and
α-sulfo-w-(2-propenyloxy)poly(oxy-1,2-ethanediyl) ammonium
salt, sodium salt

EINECS/ELINCS #

-

CAS #

903573-39-7

Conc.

> 20 %

Xi, R36

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.



SAFETY DATA SHEET

GENGARD GN7004

4 FIRST AID MEASURES

Skin contact	Wash with water.
Eye contact	Flush immediately with plenty of running water. If irritation persists, seek medical advice.
Inhalation	Remove to fresh air.
Ingestion	Rinse mouth with water.

5 FIRE-FIGHTING MEASURES

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

6 ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear protective clothing, gloves and safety goggles. Please refer also to section no. 8 'Exposure controls' for further information.
Environmental precautions	Prevent from entering sewers or the immediate environment. Accidental release of large quantities into the aquatic environment may harm aquatic organisms.
Methods for Cleaning Up	
- on soil	Absorb onto inert material and dispose of according to Hazardous Waste Regulations.

7 HANDLING AND STORAGE

7.1 Handling	Do not breathe vapours. Avoid contact with skin and eyes.
7.2 Storage	Keep container tightly closed. Store in cool, well ventilated area.
7.3 Specific uses	Only for professional and industrial users
Maximum storage stability (days)	360

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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: P2
- Hand protection	Protective gloves (Plastic, impervious) (Protection against unintentional short-term contact) CEN : EN 420



SAFETY DATA SHEET

GENGARD GN7004

Exposure controls

- | | |
|-----------------------------------|--|
| - Eye protection | Safety 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. |

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Appearance	Liquid
Colour	Amber

9.2 Important health, safety and environmental info

pH (concentrated product)	5
pH in aqueous solution	5,9 (5%)
Boiling point/range (°C)	104
Flash point (Pensky/Martens) (°C)	> 100
Density at 20°C (kg/m ³)	1134
Solubility in water (% weight)	Completely soluble
Viscosity at 20°C (mPas)	24
Relative vapour density (air=1)	< 1
Evaporation rate (ether=1)	< 1

9.3 Other information

Melting point, (°C)	-4
Pour point, (°C)	-1

10 STABILITY AND REACTIVITY

10.1 Conditions to avoid	Keep away from heat.
10.2 Materials to avoid	None known.
10.3 Hazardous decomposition products	Oxides of carbon, nitrogen, and sulphur evolved in fire.

11 TOXICOLOGICAL INFORMATION

Mammalian Test Data

- Dermal LD50, rabbit (mg/kg)	>2000 (estimated value)
-------------------------------	-------------------------

Exposure hazard

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



SAFETY DATA SHEET

GENGARD GN7004

12 ECOLOGICAL INFORMATION

Ecotoxicity

- | | |
|-------------------------|---|
| - Rainbow Trout (mg/l) | LC50 : 1894
NOEL : 1250
96 hour static acute bioassay |
| - Fathead minnow (mg/l) | LC50 : 2367
NOEL : 1250
96 hour static acute bioassay |
| - Daphnia Magna (mg/l) | LC50 : 3677
NOEL : 2500
48 hour static acute bioassay |

Persistence and degradability

- | | |
|-------------------|-----------------------|
| - COD (mgO2/g) | 385 (calculated data) |
| - BOD 5 (mgO2/g) | 0 (calculated data) |
| - BOD 28 (mgO2/g) | 24 (calculated data) |
| - TOC (mg C/g) | 109 (calculated data) |

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 Hazardous Waste Regulations.

EWC (European Waste Code) recommendation : 16 03 05
16 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.) Not applicable.

Correct shipping name Not applicable.

Land transport

- RID/ADR classification Not classified under this legislation.

Maritime transport

- IMO-IMDG class Not classified under this legislation



SAFETY DATA SHEET

GENGARD GN7004

Air transport

- ICAO/IATA classification Not classified under this legislation

15 REGULATORY INFORMATION

EEC labelling information

- Symbol(s)



Irritant:Xi

- R Phrase(s)

R 36 :Irritating to eyes.

- S Phrase(s)

S 26 :In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36/37/39 :Wear suitable protective clothing, gloves and eye/face protection.

- EINECS number

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

16 OTHER INFORMATION

SDS issued on

01/06/2007

Nature of revision

Correction in Section: 2,3,4,6,8,11,12,13,15

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 36 : Irritating to eyes.