



SAFETY DATA SHEET

PHILMPLUS 5K7E

1 IDENTIFICATION OF PREPARATION AND OF COMPANY

1.1 Identification of the substance or preparation

Product : PHILMPLUS 5K7E

1.2 Use of substance/preparation

Filming amine

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.

Repeated exposure may cause skin dryness or cracking.

- Environmental hazards

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical description

Amines in aromatic solvent

Hazardous component(s)	EINECS/ELINCS #	CAS #	Conc.
Fatty tetrahydropyrimidine Xn, N, R20-36-51/53	272-789-1	68911-83-1	20 - 25 %
Solvent naphtha (petroleum), heavy arom. Xn, N, R65-66-67-51/53	265-198-5	64742-94-5	> 25 %
Naphthalene Xn, N, R22-40-50/53	202-049-5	91-20-3	0.1 - 1 %
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 %

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

Skin contact	Remove contaminated clothing. Wash immediately with plenty of water. If irritation develops, seek medical attention.
Eye contact	Flush immediately with plenty of running water. If irritation persists, seek medical advice.
Inhalation	Remove victim to fresh air and allow to rest. Seek medical attention.
Ingestion	First rinse mouth with water. Immediately give 1-2 glasses of water, if victim is fully conscious. Do NOT induce vomiting! Seek medical attention.

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 and nitrogen evolved in fire.
Flash point (PMCC)	62 °C

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. 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
Remove sources of ignition.
Absorb onto inert material and dispose of according to Special Waste Regulations.
Flush area with water.
Spread sand/grit.

7 HANDLING AND STORAGE

- 7.1 Handling** Combustible.
Do not use around sparks or flames.
Earth containers during filling or discharge when performed at temperatures at or above the product flash point.
- 7.2 Storage** Store in cool, well ventilated area.
Store away from oxidisers.
- 7.3 Specific use(s)** Only for professional and industrial users
- Maximum storage stability (days)** 360

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values

- VME/VLE (INRS)
Naphthalene: 10 ppm 50 mg/m³ (VME), - néant (VLE)
Trimethylbenzenes: 20 ppm, 100 mg/m³ (VME)
Trimethylbenzenes: 20 ppm, 100 mg/m³ (VME)

Exposure controls

- Recommended engineering controls Adequate ventilation to maintain air contaminants below exposure limits.
Arrange for eye wash possibility.
- Respiratory protection In case of insufficient ventilation, use a breathing mask with filter type: A2-P2
CEN : EN 136; EN 141
- Hand protection Nitrile 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 Amber
- Odour Hydrocarbon

9.2 Important health, safety and environmental info

- pH in aqueous solution 7,6 (5% Extract)
- Boiling point/range (°C) 177



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9.2 Important health, safety and environmental info

Flash point (Pensky/Martens)	(°C) 62
Density at 20°C (kg/m ³)	884
Solubility in water (% weight)	Insoluble in water
Partition coefficient (Pow)	(Refers to active component) (Fatty tetrahydropyrimidine): 3,3 - 4,4 OECD 117 (Refers to active component) (Solvent naphtha (petroleum), heavy arom.): 2,9 - 6,1 OECD 117 (Refers to active component) (Naphthalene): 3,3 OECD 107 (Refers to active component) (1,2,4-Trimethylbenzene): 4,09
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

10.1 Conditions to avoid	Avoid sources of ignition. Keep away from heat.
10.2 Materials to avoid	Avoid contact with strong oxidisers.
10.3 Hazardous decomposition products	Oxides of carbon and nitrogen evolved in fire.

11 TOXICOLOGICAL INFORMATION

Mammalian Test Data

- Oral LD50, rat (mg/kg)	> 5000 (estimated value)
- Dermal LD50, rabbit (mg/kg)	> 3000 (estimated value)

Exposure hazard

- Inhalation	May cause coughing, breathing difficulties, or shortness of breath. Prolonged exposure may cause dizziness and headache. May cause chemical pneumonitis if aspirated into lungs.
- Skin contact	Repeated exposure may cause skin dryness or cracking.
- Eye contact	Causes irritation.
- Ingestion	Causes nausea, dizziness and/or vomiting.



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12 ECOLOGICAL INFORMATION

Ecotoxicity

- Fathead minnow (mg/l) LC50 : 2,5
NOEL : 1,8
96 hour static acute bioassay
- Daphnia Magna (mg/l) LC50 : 12,1
NOEL : 6,3
48 hour static acute bioassay

Persistence and degradability

- COD (mgO2/g) 2092 (calculated data)
- BOD 5 (mgO2/g) 208 (calculated data)
- BOD 28 (mgO2/g) 1064 (calculated data)
- Closed Bottle Test (% Degradation in 28 days) 36 (calculated data)
- TOC (mg C/g) 849 (calculated data)

Bioaccumulative potential

- Bioaccumulation (Refers to active component) (Solvent naphtha (petroleum), heavy arom.): BCF : 130 - 159
(Refers to active component) (Naphthalene): BCF : >100
(Refers to active component) (1,2,4-Trimethylbenzene): BCF : 275
- Partition coefficient (Pow) (Refers to active component) (Fatty tetrahydropyrimidine): 3,3 - 4,4
OECD 117
(Refers to active component) (Solvent naphtha (petroleum), heavy arom.): 2,9 - 6,1
OECD 117
(Refers to active component) (Naphthalene): 3,3
OECD 107
(Refers to active component) (1,2,4-Trimethylbenzene): 4,09

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 Special 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 Special 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.



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14 TRANSPORT INFORMATION

Substance id.no. (SIN) (UN No.) 3082

Correct shipping name Environmentally hazardous substance, liquid, n.o.s.

- Contains Solvent naphtha (petroleum), heavy arom., mixture

Land transport

- Transport hazard label 9
Miscellaneous dangerous substances

- RID/ADR classification 9

- Packaging group III

Maritime transport

- Transport hazard label 9
Miscellaneous dangerous goods

- IMO-IMDG class 9

- Packaging group III

- EmS no. F-A, S-F

- 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 9
Miscellaneous dangerous goods

- ICAO/IATA classification 9

Other information TREMCARD 90GM6-III



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15 REGULATORY INFORMATION

EEC labelling information

- Symbol(s)



Harmful: Xn



Dangerous for the environment: N

- Contains

Solvent naphtha (petroleum), heavy arom.
Fatty tetrahydropyrimidine

- R Phrase(s)

R 20 : Harmful by inhalation.
R 36 : Irritating to eyes.
R 65 : Harmful: may cause lung damage if swallowed.
R 66 : Repeated exposure may cause skin dryness or cracking.
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 gas/fumes/vapour/spray
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 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° 84

16 OTHER INFORMATION

SDS issued on

25/05/2007

Nature of revision

Correction in Section: 7

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.



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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 36 : Irritating to eyes.
R 37 : Irritating to respiratory system.
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 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.