



SAFETY DATA SHEET

CORTROL OS5601

1 IDENTIFICATION OF PREPARATION AND OF COMPANY

1.1 Identification of the substance or preparation

Product : CORTROL OS5601

1.2 Use of substance/preparation

Organic oxygen scavenger

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

1.4 Emergency telephone

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

- Official advisory body

ORFILA : 01 45 42 59 59

2 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical description

Solution of hydrazine derivative

Hazardous component(s)

Carbohydrazide

Xn, R5-20/21/22-36/37/38

EINECS/ELINCS #

207-837-2

CAS #

497-18-7

Conc.

5 - 10 %

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.

3 HAZARDS IDENTIFICATION

Important hazards

- Health/physical hazard

Not considered hazardous to health.

- Symptoms of exposure

May cause redness or itching of skin.

- Environmental hazards

The product is not classified as dangerous for the environment.

4 FIRST AID MEASURES

Skin contact

Wash thoroughly with soap and water.

Eye contact

Flush immediately with plenty of running water.



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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 and nitrogen evolved in fire.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions Protective clothing
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 Controlled Waste Regulations.
Flush area with water.
Spread sand/grit.

7 HANDLING AND STORAGE

7.1 Handling Contact with oxidisers, peroxide and metal oxide may result in a violent reaction.
Avoid contact with high pH products and any metal (such as Al, Cu, LCS), except for stainless steel.
This accelerates decomposition to hydrazine.

7.2 Storage Store containers closed when not in use.
Keep away from heat.

Maximum storage stability (days) 35

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls

- Recommended engineering controls Ensure good ventilation.
- Respiratory protection Not required.
- Hand protection Protective gloves (Plastic, impervious) (Protection against unintentional short-term contact)
CEN : EN 420
- Eye protection Safety goggles.
CEN : EN 166
- Skin protection Protective clothing if splashing or repeated contact with product is likely.
CEN : EN 340
- Environmental exposure controls Prevent from entering in public sewers or the immediate environment.



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9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Appearance	Liquid
Colour	Colourless
Odour	None

9.2 Important health, safety and environmental info

pH (concentrated product)	8,3
Boiling point/range (°C)	99
Flash point (Pensky/Martens) (°C)	> 100
Density at 20°C (kg/m ³)	1013
Solubility in water (% weight)	Completely soluble
Viscosity at 20°C (mPas)	3
Relative vapour density (air=1)	< 1
Evaporation rate (ether=1)	< 1

9.3 Other information

Melting point, (°C)	-2
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10 STABILITY AND REACTIVITY

10.1 Conditions to avoid 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) > 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 Prolonged or repeated contact may cause transient irritation.
- Ingestion May cause slight gastrointestinal irritation.



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12 ECOLOGICAL INFORMATION

Ecotoxicity

- Rainbow Trout (mg/l) LC50 : 2100
NOEL : 900
96 hour static acute bioassay
- Fathead minnow (mg/l) LC50 : 348
96 hour static renewal bioassay
- Sheepshead minnow (mg/l) LC50 : 3200
NOEL : 1000
96 hour static renewal bioassay
- Daphnia Magna (mg/l) LC50 : 1120
NOEL : 250
48 hour static renewal bioassay
- Ceriodaphnia (mg/l) LC50 : 222
48 hour static renewal bioassay
- Mysid shrimp (mg/l) LC50 : 1400
NOEL : 500
48 hour static renewal bioassay

Persistence and degradability

- COD (mgO₂/g) 130 (calculated data)
- TOC (mg C/g) 7 (calculated data)

Other adverse effects

- Nutrients P = 0 mg/g ; N = 31.11 mg/g

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.

Disposal of packaging

According to Controlled Waste Regulations.

EWC (European Waste Code) recommendation : 15 01 02; 15 01 04; 15 01 05

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.

15 01 05 Composite packaging.

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.



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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
Air transport	
- ICAO/IATA classification	Not classified under this legislation

15 REGULATORY INFORMATION

EEC labelling information

- 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.

Other Safety Data Sheet available for professional user on request.

16 OTHER INFORMATION

Nature of revision Correction in Section: 1

Based on EC Directive 1999/45/EC
2001/58/EC
2001/118/EC

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 5 : Heating may cause an explosion.
R 20/21/22 : Harmful by inhalation, in contact with skin and if swallowed.
R 36/37/38 : Irritating to eyes, respiratory system and skin.