



SAFETY DATA SHEET

CONTINUUM AEC3159

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 persists, seek medical advice.
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. Immediately give 1-2 glasses of water, if victim is fully conscious.

5 FIRE-FIGHTING MEASURES

Extinguishing Media

- Suitable Carbon dioxide, dry chemicals, foam, water spray (fog).
Foam or water create a slippery condition.
Spread sand or grit.

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 Hydrogen chloride, oxides of carbon, nitrogen, and phosphorus 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 Spills of the product are very slippery.
Absorb onto inert material and dispose of according to Hazardous Waste Regulations.
Remove small spills with plenty of water.
Spread sand/grit.

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



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Maximum storage stability (days) 720

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values

- VME/VLE (INRS) Sodium hydroxide : 2mg/m³ (VME)-néant (VLE)
Molybdenum compounds (as Mo) soluble : 5 mg/m³ (VME) - 10 mg/m³ (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: P2
CEN : EN 140; EN 143; EN 149
- Hand protection Neoprene gloves (Protection against unintentional short-term contact)
CEN : EN 374-1/2/3; EN 420
- 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 to brown
Odour Mild

9.2 Important health, safety and environmental info

pH (concentrated product) 13
pH in aqueous solution 12,5 (5%)
Boiling point/range (°C) > 100
Flash point (Pensky/Martens) (°C) > 100
Density at 20°C (kg/m³) 1277
Solubility in water (% weight) Completely soluble
Partition coefficient (Pow) (Refers to active component) (Chlorotolyltriazole sodium salt): -0,31
Viscosity at 20°C (mPas) 33

9.3 Other information

Melting point, (°C) -12

10 STABILITY AND REACTIVITY

10.1 Conditions to avoid Keep away from heat.
10.2 Materials to avoid Avoid contact with strong acids.
10.3 Hazardous decomposition products Hydrogen chloride, oxides of carbon, nitrogen, and phosphorus evolved in fire.



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11 TOXICOLOGICAL INFORMATION

Mammalian Test Data

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

Exposure hazard

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

12 ECOLOGICAL INFORMATION

Ecotoxicity

- Fathead minnow (mg/l) LC50 : 380 (Calculated data)
NOEL : 140 (Calculated data)
96 hour Acute Toxicity
- Daphnia Magna (mg/l) LC50 : 960 (Calculated data)
NOEL : 620 (Calculated data)
48 hour Acute Toxicity
- Algae Inhibition (mg/l) ErC50 : 18,6 (Refers to active component: Chlorotolyltriazole sodium salt)
EbC50 : 6,84 (Refers to active component: Chlorotolyltriazole sodium salt)

Persistence and degradability

- COD (mgO2/g) 271 (calculated data)
- BOD 5 (mgO2/g) 14 (calculated data)
- BOD 28 (mgO2/g) 25 (calculated data)
- Closed Bottle Test (% Degradation in 28 days) 13 (calculated data)
- Zahn-Wellens Test (% Degradation in 28 days) 26 (calculated data)
- TOC (mg C/g) 104 (calculated data)

Bioaccumulative potential

- Bioaccumulation Not bioaccumulating
(Refers to active component) Sodium molybdate
- Partition coefficient (Pow) (Refers to active component) (Chlorotolyltriazole sodium salt): -0,31

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.



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13 DISPOSAL CONSIDERATIONS

Disposal of product	According to Hazardous Waste Regulations. EWC (European Waste Code) recommendation : 16 03 05 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.)	3266
Correct shipping name	Corrosive liquid, basic, inorganic, n.o.s.
- Contains	Sodium hydroxide mixture
Land transport	
- Transport hazard label	8 Corrosive
- RID/ADR classification	8
- Packaging group	III
Maritime transport	
- Transport hazard label	8 Corrosive
- IMO-IMDG class	8
- Packaging group	III
- EmS no.	F-A, S-B
- 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	8 Corrosive
- ICAO/IATA classification	8
Other information	TREMCARD 80GC5-III



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15 REGULATORY INFORMATION

EEC labelling information

- Symbol(s)



Irritant:Xi

- R Phrase(s)

R 36/38 :Irritating to eyes and skin.

- S Phrase(s)

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.

- 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

Nature of revision

Correction in Section: 1,2,3,5,7,10,15

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.
R 36/37/38 : Irritating to eyes, respiratory system and skin.
R 51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 36/38 : Irritating to eyes and skin.