

Page 1/12

# Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 12.04.2024 Version number 29 (replaces version 28) Revision: 12.04.2024

# SECTION 1: Identification of the substance/mixture and of the company/undertaking

· 1.1 Product identifier

· Trade name MC-DUR TopSpeed M - Komponente A

1.2 Relevant identified uses of the substance or mixture and uses advised against

• Sector of Use SU22 Professional uses: Public domain (administration,

education, entertainment, services, craftsmen)

· Application of the substance

/ the mixture Sealing

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier: MC-Bauchemie Müller GmbH & Co. KG

Am Kruppwald 1-8 D-46238 Bottrop Tel.: +49(0)2041-101-0

Fax.: +49(0)2041-101-400 E-Mail: info@mc-bauchemie.de

MC-Bauchemie AG Hagackerstr. 10 CH-8953 Dietikon Tel.: +44-7400510 Fax: +44-7400533

· Informing department:

msds@mc-bauchemie.de

1.4 Emergency telephone

number:

Tel.: +49 / (0)700 24112112 (MCR)

Tel.: +1 872 5888271 (MCR)

### **SECTION 2: Hazards identification**

· 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin Sens. 1 H317 May cause an allergic skin reaction.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

· 2.2 Label elements

Labelling according to

**Regulation (EC) No 1272/2008** The product is classified and labelled according to the GB CLP regulation.

· Hazard pictograms



GHS07

· Signal word Warning

Hazard-determining

components of labelling: tetraethyl-N,N'-(methylenedicyclohexane-4,1-diyl)bis-DL-aspartate

Reaction mass of Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidinyl) ester and decanedioic acid,(1,2,2,6,6-pentamethyl-4-

piperidinyl) methyl ester

(Contd. on page 2)





# Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 12.04.2024 Version number 29 (replaces version 28) Revision: 12.04.2024

### Trade name MC-DUR TopSpeed M - Komponente A

(Contd. of page 1)

4-morpholinecarbaldehyde

· **Hazard statements** H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

• **Precautionary statements** P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves.

P333+P313 If skin irritation or rash occurs: Get medical advice/

attention.

P321 Specific treatment (see on this label).

P501 Dispose of contents/container in accordance with

local/regional/national/international regulations.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

PBT: Not applicable.vPvB: Not applicable.

### **SECTION 3: Composition/information on ingredients**

•	3.2	<b>Mixtures</b>	;
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Description: Mixture consisting of the following components.

CAS: 136210-30-5	tetraethyl-N,N'-(methylenedicyclohexane-4,1-diyl)	30-60%
ELINCS: 429-270-1 Reg.nr.: 01-0000017556-64- xxxx	bis-DL-aspartate Skin Sens. 1, H317; Aquatic Chronic 3, H412	
CAS: 108-32-7 EINECS: 203-572-1	Propylene carbonate Eye Irrit. 2, H319	<10%
CAS: 64742-95-6	Solvent naphtha (petroleum), light arom. Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336, EUH066	≥0.25-<1.5%
CAS: 108-65-6 EINECS: 203-603-9	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226; STOT SE 3, H336	<1.5%
CAS: 70969-70-9 EINECS: 275-073-7 Reg.nr.: 01-2120118956-48	2-Ethylhexyl-3,5,5-trimethylhexanoat STOT RE 2, H373	<1.5%
EC number: 915-687-0 Reg.nr.: 01-2119491304-40- XXXX	Reaction mass of Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidinyl) ester and decanedioic acid,(1,2,2,6,6-pentamethyl-4-piperidinyl) methyl ester  Repr. 2, H361; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1A, H317	≥0.25-<1%
CAS: 4394-85-8 EINECS: 224-518-3 Reg.nr.: 01-2119987993-12	4-morpholinecarbaldehyde Skin Sens. 1, H317	≥0.1-<0.5%

(Contd. on page 3)



Page 3/12

## Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 12.04.2024 Version number 29 (replaces version 28) Revision: 12.04.2024

Trade name MC-DUR TopSpeed M - Komponente A

(Contd. of page 2)

• Additional information For the wording of the listed hazard phrases refer to section 16.

### **SECTION 4: First aid measures**

· 4.1 Description of first aid measures

· **General information** Remove soiled, soaked clothing immediately.

· After inhalation Remove person to fresh air, keep warm, allow to rest; if breathing

is difficult, seek medical attention.

· After skin contact In case of contact with skin, wash carefully with plenty of soap and

water. Consult a doctor in case of skin reactions.

· After eye contact Rinse the eyes with open eyelids for a sufficiently long time (at

least 10 minutes) with water that is as lukewarm as possible.

Consult an ophthalmologist.

· After swallowing Do NOT induce vomiting. Rinse mouth with water. Medical

attention required.

· 4.2 Most important symptoms and effects, both acute and

delayed Advice for the doctor: Elementary aid, decontamination,

symptomatic treatment.

· 4.3 Indication of any

immediate medical attention

and special treatment needed Therapeutic measures: No information available.

### **SECTION 5: Firefighting measures**

5.1 Extinguishing media

· Suitable extinguishing agents CO2, extinguishing powder or water jet. Fight larger fires with

water jet or alcohol-resistant foam.

· 5.2 Special hazards arising from the substance or

from the substance or mixture

No further relevant information available.

· 5.3 Advice for firefighters

• **Protective equipment:** No special measures required.

#### SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and

emergency procedures

Not required.

· 6.2 Environmental

precautions: Inform respective authorities in case product reaches water or

sewage system.

· 6.3 Methods and material for

containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders,

universal binders, sawdust).

Ensure adequate ventilation.

(Contd. on page 4)



Page 4/12

(Contd. of page 3)

# Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 12.04.2024 Version number 29 (replaces version 28) Revision: 12.04.2024

#### Trade name MC-DUR TopSpeed M - Komponente A

• 6.4 Reference to other sections See Section 7 for info

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

### **SECTION 7: Handling and storage**

· 7.1 Precautions for safe handling

Ensure sufficient air exchange and/or extraction in the work areas.

Air extraction is required for spray application.

For solid products: Avoid dust formation and dust deposits. Air limit values mentioned in section 8 must be monitored.

At workplaces where isocyanate aerosols and/or vapours can occur in higher concentrations, targeted air extraction must be used to prevent the occupational hygiene limit value from being

exceeded. The air must be moved away from people.

For products containing solvents: Explosion protection required. The personal protective measures described in section 8 must be observed. The protective measures required when handling isocyanates must be observed. Avoid contact with skin and eyes

and inhalation of vapours.

Keep away from food and beverages. Wash hands before breaks and at the end of work and apply skin protection ointment. Store work clothes separately. Remove soiled, soaked clothing immediately.

· Information about protection

against explosions and fires: Keep ignition sources away - do not smoke.

Protect from heat.

Do not store near heat sources.

· 7.2 Conditions for safe storage, including any incompatibilities

Keep container dry and tightly closed. Further information on the storage conditions that must be observed for quality assurance

reasons can be found in our technical data sheet.

Storage

Requirements to be met by storerooms and containers:

Keep tightly closed in original packaging. Ventilate storage rooms

well. Carefully close opened containers and store upright to

prevent any leakage.

Storage temperature >5°C and <30°C

· Information about storage in

one common storage facility: May be stored together with hazardous substances of other

classes up to 200 kg.

· Further information about

storage conditions:

Keep container tightly closed in a well-ventilated place.

· Storage class

10

(Contd. on page 5)



Page 5/12

### Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 12.04.2024 Version number 29 (replaces version 28) Revision: 12.04.2024

Trade name MC-DUR TopSpeed M - Komponente A

(Contd. of page 4)

· 7.3 Specific end use(s) No further relevant information available.

### SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Components with critical values that require monitoring at the workplace:

CAS: 108-65-6 2-methoxy-1-methylethyl acetate

WEL Short-term value: 548 mg/m³, 100 ppm Long-term value: 274 mg/m³, 50 ppm

Sk

· DNELs

CAS: 136210-30-5 tetraethyl-N,N'-(methylenedicyclohexane-4,1-diyl)bis-DL-aspartate

Dermal DNEL 4 mg/kg bw/day (ArL)
Inhalative DNEL 28 mg/m³ (ArL)
112 mg/m³ (Ark)

CAS: 108-65-6 2-methoxy-1-methylethyl acetate

Dermal DNEL 153.5 mg/kg bw/day (ArL)

Inhalative DNEL 275 mg/m³ (ArL)

PNECs

CAS: 136210-30-5 tetraethyl-N,N'-(methylenedicyclohexane-4,1-diyl)bis-DL-aspartate

PNEC 31.1 mg/l (Kla)

0.000013 mg/l (Mew)

0.00013 mg/l (Freshwater)

PNEC 0.1 mg/kg dwt (Bod)

0.02 mg/kg dwt (Marine water sediment)

0.21 mg/kg dwt (Fresh water sediment)

CAS: 108-65-6 2-methoxy-1-methylethyl acetate

PNEC 0.635 mg/l (Fresh water)

100 mg/l (Kla)

0.0635 mg/l (Mew)

PNEC 0.29 mg/kg dwt (Bod)

0.329 mg/kg dwt (Marine water sediment)

3.29 mg/kg dwt (Fresh water sediment)

· Additional information:

The lists that were valid during the compilation were used as basis.

· 8.2 Exposure controls

· Appropriate engineering

controls No further data; see section 7.

· Individual protection measures, such as personal protective equipment

· General protective and

hygienic measures Do not smoke, eat or drink while working. Have eye wash

equipment ready.

Do not inhale gases/vapours/aerosols. Avoid contact with eyes and

(Contd. on page 6)



Page 6/12

# Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 12.04.2024 Version number 29 (replaces version 28) Revision: 12.04.2024

### Trade name MC-DUR TopSpeed M - Komponente A

(Contd. of page 5)

skin.

Do not store food in the work area. Wash hands before breaks and

at the end of work.

· Breathing equipment: Respiratory protection required at insufficiently ventilated

workplaces and when working with splashes. Fresh air masks or combination filters A2-P2 (EN529) are recommended for short-

term work.

If applicable, further recommendations for respiratory protection

can be found in the appendix.

In case of hypersensitivity of the respiratory tract (asthma, chronic

bronchitis), handling of the product is not recommended.

Breathing protection recommended.

· Hand protection Suitable materials for protective gloves; EN 374:

Butyl rubber - IIR: thickness  $\ge$ 0.5mm; breakthrough time  $\ge$ 480min. Fluororubber - FKM: thickness  $\ge$ 0.4mm; breakthrough time

*≥*480min.

Multi-layer glove - PE/EVAL/PE; Breakthrough time ≥480 min.

Recommendation: Dispose of contaminated gloves.

• Material of gloves The selection of the suitable gloves does not only depend on the

material, but also on further marks of quality and varies from

manufacturer to manufacturer.

· Penetration time of glove

material

Butyl rubber - IIR: thickness ≥0.5mm; breakthrough time ≥480min.

Fluoro rubber - FKM: thickness  $\geq$ 0.4mm; breakthrough time

≥480min.

Multi-layer glove - PE/EVAL/PE ; Breakthrough time ≥480 min.

Eye/face protection

· Body protection:

Wear safety goggles/face protection.

Wear suitable protective clothing when working.

In case of hypersensitivity of the skin, handling of the product is not

recommended.

### SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Colour: Cloudy

Smell: Product specific
 Odour threshold: Not determined.
 Melting point/freezing point: Not determined

· Boiling point or initial boiling point and

boiling range 185 °C (CAS: 136210-30-5 tetraethyl-N,N'-

(methylenedicyclohexane-4,1-diyl)bis-DL-

aspartate)

· Flammability Not applicable.

· Lower and upper explosion limit

· Lower: Not determined. · Upper: Not determined.

(Contd. on page 7)



Page 7/12

## Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 12.04.2024 Version number 29 (replaces version 28) Revision: 12.04.2024

### Trade name MC-DUR TopSpeed M - Komponente A

(Contd. of page 6)

· Flash point: 100 °C

· Auto-ignition temperature: 350 °C (CAS: 152637-10-0 poly(oxy(methyl-1,2-

ethanediyl)))

• **Decomposition temperature:** Not determined. • **pH** Not determined.

· Viscosity:

Kinematic viscositydynamic at 20 °C:Not determined.3000-5000 mPas

· Solubility

· Water: Not miscible or difficult to mix

· Partition coefficient n-octanol/water (log

value) Not determined.

Steam pressure at 20 °C: 2 hPa (CAS: 152637-10-0 poly(oxy(methyl-1,2-

Void

Void

Void

ethanediyl)))

· Vapour pressure at 50 °C: 8 hPa

· Density and/or relative density

Density at 20 °C
 Relative density
 Vapour density
 Not determined.
 Not determined.

· 9.2 Other information

· Appearance:

· Form: Viscous

· Important information on protection of health

and environment, and on safety.

• Self-inflammability: Product is not selfigniting. • Explosive properties: Product is not explosive.

· Change in condition

· Oxidising solids

· Organic peroxides

· Corrosive to metals

· Evaporation rate Not determined.

### Information with regard to physical hazard

classes · Explosives Void Flammable gases Void Void Aerosols Void · Oxidising gases · Gases under pressure Void Flammable liquids Void Flammable solids Void · Self-reactive substances and mixtures Void · Pyrophoric liquids Void · Pyrophoric solids Void · Self-heating substances and mixtures Void Substances and mixtures, which emit flammable gases in contact with water Void Oxidising liquids Void

(Contd. on page 8)



Page 8/12

# Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 12.04.2024 Version number 29 (replaces version 28) Revision: 12.04.2024

Trade name MC-DUR TopSpeed M - Komponente A

(Contd. of page 7)

· Desensitised explosives

Void

### SECTION 10: Stability and reactivity

• 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability · Thermal decomposition /

**conditions to be avoided:** No decomposition if used according to specifications.

· 10.3 Possibility of hazardous

reactions No dangerous reactions known

• 10.4 Conditions to avoid No further relevant information available. • 10.5 Incompatible materials: No further relevant information available.

· 10.6 Hazardous

decomposition products: No dangerous decomposition products known

### **SECTION 11: Toxicological information**

· 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

· Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values that are relevant for classification:

CAS: 136210-30-5 tetraethyl-N,N'-(methylenedicyclohexane-4,1-diyl)bis-DL-aspartate

Oral LD50 >2000 mg/kg (rat) (67/548/EWG, Annex V, B.1)
Dermal LD50 >2000 mg/kg (rat) (67/548/EWG, Annex V, B.3)

CAS: 108-32-7 Propylene carbonate

Oral LD50 >5000 mg/kg (rat)

Dermal LD50 >2000 mg/kg (rabbit)

CAS: 108-65-6 2-methoxy-1-methylethyl acetate

Oral LD50 8500 mg/kg (rat)
Dermal LD50 >2000 mg/kg (rat)

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation May cause an allergic skin reaction.

\*\*Germ cell mutagenicity Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.

(Contd. on page 9)

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Page 9/12

# Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 12.04.2024 Version number 29 (replaces version 28) Revision: 12.04.2024

#### Trade name MC-DUR TopSpeed M - Komponente A

(Contd. of page 8)

· 11.2 Information on other hazards

· Endocrine disrupting properties

CAS: 128-37-0 2,6-Di-tert-butyl-p-cresol

List II

### **SECTION 12: Ecological information**

#### · 12.1 Toxicity

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#### CAS: 136210-30-5 tetraethyl-N,N'-(methylenedicyclohexane-4,1-diyl)bis-DL-aspartate

LC50/96h 66 mg/l (Danio rerio) (OECD 203)

EC50 3110 mg/l (BEL)

EC50/48h 88.6 mg/l (Daphnia magna) NOEC 0.01 mg/l (Daphnia magna)

ErC50/72h | 113 mg/l (Scenedesmus subspicatus)

### CAS: 108-65-6 2-methoxy-1-methylethyl acetate

LC50/96h | 134 mg/l (Oncorhynchus mykiss)

161 mg/l (Pimephales promelas)

EC50 >1000 mg/l (BEL)

EC50/48h | >500 mg/l (Daphnia magna)

NOEC 47.5 mg/l (Ory)

EC50/3d >1000 mg/l (Selenastrum capricornutum)

#### 12.2 Persistence and

degradability No further relevant information available.

· 12.3 Bioaccumulative

potential
No further relevant information available.
12.4 Mobility in soil
No further relevant information available.

12.5 Results of PBT and vPvB assessment
 PBT: Not applicable.
 vPvB: Not applicable.

· 12.6 Endocrine disrupting

properties For information on endocrine disrupting properties see section 11.

12.7 Other adverse effects

· Remark: Harmful to fish

· Additional ecological information:

· General notes: Harmful to aquatic organisms

Do not allow undiluted product or large quantities of it to reach

ground water, water bodies or sewage system.

(Contd. on page 10)

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Page 10/12

# Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 12.04.2024 Version number 29 (replaces version 28) Revision: 12.04.2024

Trade name MC-DUR TopSpeed M - Komponente A

(Contd. of page 9)

### SECTION 13: Disposal considerations

**SECTION 14: Transport information** 

· 13.1 Waste treatment methods

• Recommendation Must not be disposed of together with household garbage. Do not

allow product to reach sewage system.

· Uncleaned packagings:

• Recommendation: Disposal must be made according to official regulations.

· 14.1 UN number or ID number · ADR, ADN, IMDG, IATA	Void	
· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Void	
· 14.3 Transport hazard class(es)		
ADR, ADN, IMDG, IATA		
Class	Void	
14.4 Packing group		
ADR, IMDG, IATA	Void	
14.5 Environmental hazards:		
· Marine pollutant:	No	

Not applicable.

Not applicable.

Void

### SECTION 15: Regulatory information

· 14.7 Maritime transport in bulk according to

· 15.1 Safety, health and environmental regulations/ legislation specific for the

substance or mixture No further relevant information available.

· Poisons Act

**IMO** instruments

· UN "Model Regulation":

· Regulated explosives precursors

· 14.6 Special precautions for user

None of the ingredients is listed.

· Regulated poisons

None of the ingredients is listed.

· Reportable explosives precursors

None of the ingredients is listed.

(Contd. on page 11)



Page 11/12

### Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 12.04.2024 Version number 29 (replaces version 28) Revision: 12.04.2024

#### Trade name MC-DUR TopSpeed M - Komponente A

(Contd. of page 10)

Reportable poisons

None of the ingredients is listed.

· 15.2 Chemical safety

assessment: A Chemical Safety Assessment has not been carried out.

### **SECTION 16: Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases	H226	Flammable liquid and vapour.
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H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation. H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness. H361

Suspected of damaging fertility or the unborn child. H373 May cause damage to organs through prolonged or

repeated exposure.

H400 Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects. H410 H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

· Department issuing data specification sheet:

Environment protection department.

Abbreviations and acronyms: ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous

Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative Flam. Liq. 3: Flammable liquids - Category 3

Eye Irrit. 2: Serious eye damage/eye irritation - Category 2

Skin Sens. 1: Skin sensitisation - Category 1 Skin Sens. 1A: Skin sensitisation – Category 1A Repr. 2: Reproductive toxicity - Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard - Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard -

Category 1

(Contd. on page 12)



Page 12/12

### Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 12.04.2024 Version number 29 (replaces version 28) Revision: 12.04.2024

### Trade name MC-DUR TopSpeed M - Komponente A

(Contd. of page 11)

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic

hazard – Category 1 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic

hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic

hazard - Category 3

\* \* Data compared to the previous version altered.