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# Safety data sheet according to UK REACH

Printing date 13.04.2025

Version number 44 (replaces version 43)

Revision: 13.04.2025

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

· 1.1 Product identifier	
· Trade name	Colusal VL - Komponente A
• Article number: • 1.2 Relevant identified uses of the substance or mixture and uses advised against	1594 No further relevant information available.
<ul> <li>Application of the substance / the mixture</li> </ul>	Priming
/ me mixture	Filling
• 1.3 Details of the supplier of t • 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
<ul> <li>Informing department:</li> <li>1.4 Emergency telephone</li> </ul>	msds@mc-bauchemie.de
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 Irrit. 2 H315 Causes skin irritation. Eye Dam. 1 H318 Causes serious eye damage. Skin Sens. 1 H317 May cause an allergic skin reaction. Aquatic Chronic 2 H411 Toxic 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

· Hazard pictograms



Signal word

Danger

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· Hazard-determining		
components of labelling:	Polymer Epoxidł	harz-Addukt
	Aminpolymer	
	m-phenylenebis(	(methylamine)
	3-(trimethoxysily	l)propylamine
	3,6,9-triazaunde	camethylenediamine
<ul> <li>Hazard statements</li> </ul>	H315 Causes sk	in irritation.
	H318 Causes se	erious eye damage.
	H317 May cause	e an allergic skin reaction.
	H411 Toxic to ac	quatic life with long lasting effects.
<ul> <li>Precautionary statements</li> </ul>	P261	Avoid breathing dust/fume/gas/mist/vapours/
-		spray.
	P280	Wear protective gloves / eye protection / face
		protection.
	P305+P351+P33	38 IF IN EYES: Rinse cautiously with water for
		several minutes. Remove contact lenses, if
		present and easy to do. Continue rinsing.
	P310	Immediately call a POISON CENTER/doctor.
	P321	Specific treatment (see on this label).
	P362+P364	Take off contaminated clothing and wash it
		before reuse.
<ul> <li>Additional information:</li> </ul>	EUH211 Warnin	g! Hazardous respirable droplets may be formed
		prayed. Do not breathe spray or mist.
· 2.3 Other hazards	·	
· Results of PBT and vPvB as	sessment	
· PBT:	Not applicable.	

· vPvB:

Not applicable.

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

· 3.2 Mixtures

<b>Description:</b> Mixture consisting of the following components.		
· Dangerous components:		
CAS: 260549-92-6	Polymer Epoxidharz-Addukt	10-30%
	Eye Dam. 1, H318	1
CAS: 13463-67-7	Titanium dioxide	10-30%
EINECS: 236-675-5	Carc. 2, H351	1
CAS: 1314-13-2	Zinc oxide	≥2.5-<10%
EINECS: 215-222-5	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	1
CAS: 7779-90-0	trizinc bis(orthophosphate)	≥2.5-<10%
EINECS: 231-944-3	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	1
CAS: 180583-06-6	Aminpolymer	≥1-<5%
	Skin Sens. 1, H317	1
CAS: 1477-55-0	m-phenylenebis(methylamine)	<i>≥</i> 2.5-<3%
EINECS: 216-032-5 Reg.nr.: 01-2119480150-50	Skin Corr. 1B, H314; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1, H317; Aquatic Chronic 3, H412	1
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		(Contd. of page 2)
CAS: 60580-61-2	Zink-5-nitroisophthalat	<i>≥</i> 0.25-<2.5%
EINECS: 262-309-9	Aquatic Acute 1, H400; Aquatic Chronic 2, H411	
CAS: 13822-56-5	3-(trimethoxysilyl)propylamine	<i>≥</i> 1-<1.5%
EINECS: 237-511-5	Eye Dam. 1, H318; Skin Irrit. 2, H315	
CAS: 112-57-2	3,6,9-triazaundecamethylenediamine	<i>≥</i> 0.1-<0.25%
EINECS: 203-986-2	Skin Corr. 1B, H314; Eye Dam. 1, H318; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317	
CAS: 77-99-6	Trimethylolpropane	<0.5%
EINECS: 201-074-9	Repr. 2, H361fd	
· 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 me	asures
General information	Remove contaminated clothing immediately. Consult a doctor if symptoms occur. Move affected person to fresh air.
· After inhalation	Supply fresh air; seek medical advice if symptoms occur. If unconscious, place in recovery position and seek medical advice.
· 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 opened eye for several minutes under running water. Call a doctor immediately
· After swallowing	Rinse mouth with water. Never give anything by mouth to an unconscious person. DO NOT induce vomiting. If symptoms persist, consult a doctor.
<ul> <li>4.2 Most important symptoms and effects, both acute and</li> </ul>	
delayed	Advice for the doctor: Elementary aid, decontamination, symptomatic treatment.

## **SECTION 5: Firefighting measures**

- · 5.1 Extinguishing media
- · Suitable extinguishing agents Use fire fighting measures that suit the environment.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
   5.3 Advice for firefighters
   Protective equipment: No special measures required.

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6.1 Personal precautions, protective equipment and	
emergency procedures	Not required.
6.2 Environmental	
precautions:	Dilute with much water.
6.3 Methods and material for	
containment and cleaning up	: Collect mechanically.
	Clean the accident area carefully; suitable cleaners are: warm water and cleaning agent
6.4 Reference to other	
sections	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	Open and handle containers with care. Ventilation measures are required in rooms without sufficient air exchange (e.g. closed rooms), because the occupational exposure limit values (see chapter 8) could be exceeded. This must be avoided. Wear suitable personal protective equipment (see section 8). Avoid contact with eyes, skin and clothing. Change contaminated or damaged gloves and contaminated clothing immediately and wash skin immediately. Mix slowly, partially covering the mixing container. Pour carefully and slowly when repotting. Observe the BGBau technical data sheet and practical guide for handling epoxy resins.
<ul> <li>Information about protection against explosions and fires:</li> </ul>	Ensure sufficient air exchange and/or extraction in the working areas. Take precautionary measures to avoid electrostatic discharges.
<ul> <li>7.2 Conditions for safe storag</li> <li>Storage</li> <li>Requirements to be met by</li> </ul>	e, including any incompatibilities
storerooms and containers:	No special requirements.
storage conditions: Storage class	Protect from heat and direct sunlight. 10

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SECTION 8: Exposure controls/personal protection 8.1 Control parameters Components with critical values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. · DNELs CAS: 1477-55-0 m-phenylenebis(methylamine) DNEL 0.33 mg/kg bw/day (Workers) Dermal Inhalative DNEL 1.2 mg/m<sup>3</sup> (Workers) CAS: 112-57-2 3.6.9-triazaundecamethylenediamine Oral DNEL 0.53 mg/kg bw/Tag (ArL) Dermal DNEL 0.74 mg/kg bw/day (ArL) Inhalative DNEL 6940 mg/m<sup>3</sup> (ArL) **PNECs** CAS: 1477-55-0 m-phenylenebis(methylamine) PNEC 10 mg/l (Kla) 0.009 mg/l (Mew) 0.094 mg/l (Freshwater) PNEC 0.045 mg/kg dwt (Bod) 0.43 mg/kg dwt (Marine water sediment) 0.43 mg/kg dwt (Fresh water sediment) CAS: 112-57-2 3,6,9-triazaundecamethylenediamine PNEC 9.73 mg/l (BEL) 0.0068 mg/l (Fresh water) 0.0068 mg/l (Mew) PNEC 0.343 mg/kg dwt (Sediment) 3.43 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 Keep away from food, drink and animal feed. hygienic measures Remove soiled, soaked clothing immediately. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin. · Breathing equipment: If workplace limit values cannot be complied with by ventilation measures or if rooms cannot be technically ventilated, respiratory protection must be worn: Use combination filter A1-P2 (brown/ white) in rooms that cannot be ventilated. If oxygen deficiency is (Contd. on page 6) GB



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	(Contd. of page 5) expected, use self-contained breathing apparatus. Observe
	wearing time limits according to §9 (3) GefStoffV in conjunction with BGR 190.
· Hand protection	Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· Material of gloves	You can find help with choosing gloves on the website https:// www.bgbau.de/fileadmin/Gisbau/Projekte.pdf
	For example, we recommend the Sol-vex 37-900 protective gloves
	from Ansell GmbH. The breakthrough time of the protective gloves
	can be found under point 8 "Penetration time of the glove material".
	The selection of a suitable glove depends not only on the material,
	but also on other quality features and varies from manufacturer to manufacturer. As the product
	is a preparation of several substances, the resistance of glove
	materials cannot be calculated in advance and must therefore be
	checked before use.
	Recommended material thickness: $\geq$ 0.4 mm
-	The breakthrough times of the Sel very 27,000 protective gloves
material	• • •
	Nitrile rubber
	Material thickness: $\geq$ 0.40 mm
	Penetration time: $\geq$ 480 min
	Butyl rubber:
<b>—</b> <i>(</i> <b>r</b> <i>( ( r ( ( ( ( ( ( ( ( ( (</i>	
· Eye/face protection	
Pady protoction.	
· Body protection:	•
	the activity. Uncovered areas of skin should be avoided as far as
	possible, even in hot weather. If the work involves kneeling, the
	lower leg area should be protected by protective trousers.
<ul> <li>Penetration time of glove material</li> <li>Eye/face protection</li> <li>Body protection:</li> </ul>	Nitrile rubber Recommended material thickness:≥ 0.4 mm The breakthrough times of the Sol-vex 37-900 protective gloves are around 8 hours. The following applies to all other gloves: The exact breakthrough time must be obtained from the protective glove manufacturer and adhered to. Nitrile rubber Material thickness: ≥ 0.40 mm Penetration time: ≥ 480 min Butyl rubber: Material thickness: ≥ 0.5 mm Penetration time: ≥ 480 min Tight-fitting safety goggles. Safety goggles. Protective clothing Suitable protective clothing should be worn when working with epoxy resins. In addition to normal work clothing (long trousers, long-sleeved shirt or T-shirt), disposable overalls, aprons, overshoes, sleeve protectors etc. may be necessary depending on the activity. Uncovered areas of skin should be avoided as far as possible, even in hot weather. If the work involves kneeling, the

## SECTION 9: Physical and chemical properties

• 9.1 Information on basic	physical and chemical	properties
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- General Information
- · Colour:
- · Smell:

Grey Characteristic

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		(Contd. of page
Melting point/freezing point:	Not determined	
Boiling point or initial boiling point and		
boiling range	100 °C (CAS: 7732-18-5 Water)	
Flash point:	151 °C `	
pH	Not determined.	
Viscosity:		
Kinematic viscosity at 20 °C	500 s (ISO 6 mm)	
dynamic:	Not determined.	
Solubility		
Water:	Partly miscible	
Steam pressure at 20 °C:	23 hPa (CAS: 7732-18-5 Water)	
· Vapour pressure at 50 °C:	<5 hPa	
Density and/or relative density		
Density	Not determined	
9.2 Other information		
Appearance:		
Form:	Pasty	
Important information on protection of hea		
and environment, and on safety.		
Self-inflammability:	Product is not selfigniting.	
• Explosive properties:	Product is not explosive.	
Information with regard to physical haza	ard	
classes		
Explosives	Void	
Flammable gases	Void	
Aerosols	Void	
• Oxidising gases	Void	
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	
• Oxidising solids	Void	
	Void	
· Organic peroxides		
Organic peroxides Corrosive to metals	Void	

# SECTION 10: Stability and reactivity

· 10.1 Reactivity

No further relevant information available.

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· 10.2 Chemical stability	(Contd. of page 7)
<ul> <li>Thermal decomposition / conditions to be avoided:</li> </ul>	No decomposition if used according to specifications.
<ul> <li>10.3 Possibility of hazardous reactions</li> </ul>	No dangerous reactions known
<ul> <li>10.4 Conditions to avoid</li> <li>10.5 Incompatible materials:</li> </ul>	No further relevant information available. No further relevant information available.
<ul> <li>10.6 Hazardous decomposition products:</li> </ul>	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.

	long		
· LD/LC50	values tha	it are releva	ant for classification:
CAS: 134	63-67-7 Ti	tanium dio	xide
Oral	LD50	>5000 mg/	′kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)	
Inhalative	LC50/4 h	>6.8 mg/l (	irat)
CAS: 147	7-55-0 m-µ	bhenyleneb	nis (methylamine)
Oral	LD50	1180 mg/k	g (mouse)
		930 mg/kg	(rat)
Dermal	LD50	>3100 mg/	′kg (rabbit)
CAS: 112	-57-2 3,6,9	-triazaunde	ecamethylenediamine
Oral	LD50	2140 mg/k	g (rat)
Dermal	LD50	1260 mg/kg (rabbit)	
CAS: 77-9	9-6 Trime	thylolprop	ane
Oral	LD50	14700 mg/kg (rat)	
Dermal	LD50	>10000 mg/kg (rabbit)	
Primary in Skin corre Serious e Respirato sensitisat Germ cell Carcinog Reproduc STOT-sin STOT-rep Aspiration	osion/irrit ye damag ry or skin tion mutagen enicity ctive toxic gle expos yeated exp	ation e/irritation icity ity ure	Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. 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.

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#### · 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecol	logical information

· 12.1 Toxic	city				
· Aquatic to	· Aquatic toxicity:				
CAS: 147	7-55-0 m-phenylene	bis(methylamine)			
IC50/72h	12 mg/l (algae)				
EC50/72h	12 mg/l (Scenedesr	nus subspicatus)			
LC50/96h	>100 mg/l (Oncorhynchus mykiss)				
	87.6 mg/l (Ory)				
EC50/48h	15.2 mg/l (Daphnia magna)				
CAS: 112-57-2 3,6,9-triazaundecamethylenediamine					
EC50/72h	2.1 mg/l (algae)				
LC50/96h	420 mg/l (Gup)				
EC50/48h	24.1 mg/l (Daphnia magna)				
· 12.2 Persi	stence and				
degradab		No further relevant information available.			
	ccumulative	No firstbar valor and information available			
potential	litu in aail	No further relevant information available.			
· 12.4 Mobi	ity in soil Its of PBT and vPvI	No further relevant information available. B assessment			
		Not applicable.			
·vPvB:		Not applicable.			
	crine disrupting				
properties	5	The product does not contain substances with endocrine disrupting properties.			
· 12.7 Othe	r adverse effects				
<ul> <li>Additiona</li> </ul>	l ecological informa				
· General n	otes:	Do not allow product to reach ground water, water bodies or sewage system.			
		Danger to drinking water if even small quantities leak into soil.			

# **SECTION 13: Disposal considerations**

<ul> <li>13.1 Waste treatment metho</li> <li>Recommendation</li> </ul>	ds Must not be disposed of together with household garbage. Do not allow product to reach sewage system.	
<ul> <li>Uncleaned packagings:</li> <li>Recommendation:</li> </ul>	Disposal must be made according to official regulations. (Contd. on page 10)	

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 Recommended cleaning agent:

Water, if necessary with cleaning agent.

14.1 UN number or ID number	
ADR, IMDG, IATA	UN3082
14.2 UN proper shipping name	
ADR, IATA	ENVIRONMENTALLY HAZARDOU
	SUBSTANCE, LIQUID, N.O.S. (Zinc oxide, trizin
IMDG	bis(orthophosphate)) ENVIRONMENTALLY HAZARDOU
IMDG	SUBSTANCE, LIQUID, N.O.S. (Zinc oxide, trizir
	bis(orthophosphate)), MARINE POLLUTANT
14.3 Transport hazard class(es)	
ADR	
Class	9 (M6) Miscellaneous dangerous substances an
	articles.
Label	9
IMDG, IATA	
Class	9 Miscellaneous dangerous substances an
Label	articles. 9
	J
14.4 Packing group ADR, IMDG, IATA	<i>III</i>
14.5 Environmental hazards:	Product contains environmentally hazardou
Marine pollutant:	substances: 3,6,9-triazaundecamethylenediamine Yes
	Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
Special marking (IATÁ):	Symbol (fish and tree)
14.6 Special precautions for user	Warning: Miscellaneous dangerous substances an
	articles.
Kemler Number: EMS Number:	90 F-A.S-F
Segregation groups	г-А,S-Г (SGG18) Alkalis
Stowage Category	A
14.7 Maritime transport in bulk accordi	ing to
IMO instruments	Not applicable.
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· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	5L
Excepted quantities (ÉQ)	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000
	ml
Transport category	3
· Tunnel restriction code	(-)
·IMDG	
· Limited quantities (LQ)	5L
Excepted quantities (ÉQ)	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000
	ml
· UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOUS
	SUBSTANCE, LIQUID, N.O.S. (ZINC OXIDE
	TRIZINC BIS(ORTHOPHOSPHATE)), 9, III

## **SECTION 15: Regulatory information**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Poisons Act

Regulated explosives precurs	ors	
None of the ingredients is listed.		
· Regulated poisons		
None of the ingredients is listed.		
· Reportable explosives precurs	sors	
None of the ingredients is listed.		
· Reportable poisons		
None of the ingredients is listed.		
Directive 2012/18/EU Qualifying quantity (tonnes) for the application of lower- tier requirements Qualifying quantity (tonnes) for the application of upper-	200 t	
tier requirements	500 t	(Contd. on page 12)



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 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.

H302 Harmful if swallowed. H312 Harmful in contact with skin.

· Relevant phrases

H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H332 Harmful if inhaled. H351 Suspected of causing cancer. H361fd Suspected of damaging fertility. Suspected of damaging the unborn child. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. · Department issuing data specification sheet: Environment protection department. · Abbreviations and acronyms: RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organisation 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

Acute Tox. 4: Acute toxicity – Category 4 Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Skin Corr. 1B. Skin corrosion/irritation – Category 1B Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Carc. 2: Carcinogenicity – Category 2

Repr. 2: Reproductive toxicity – Category 2

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

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

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(Contd. of page 12) 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.