

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 07.03.2022

Version number 3 (replaces version 2)

Revision: 07.03.2022

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

- 1.1 Product identifier

- Trade name: **WASH SELF**

- UFI: NS80-K00V-E004-4JDC

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

- Life cycle stages

C Consumer use

PW Widespread use by professional workers

- Sector of Use

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

- **Product category PC35** Washing and cleaning products (including solvent based products)

- **Application of the substance / the mixture** All purpose cleaner

- Uses advised against

The mixture is not recommended for industrial, professional and consumer applications not specified as relevant identified uses

- 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

MA-FRA S.p.A. a Socio Unico

Via Aquileia, 44/46

20021 Baranzate (MI) ITALIA

Tel. +39 023569981

www.mafra.com

mafra@mafra.it

- Informing department:

E-mail: lab@mafra.it

info@mafra.it

- **1.4 Emergency telephone number:** In case of accident call the emergency number 112

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008



corrosion

Eye Dam. 1 H318 Causes serious eye damage.



Skin Irrit. 2 H315 Causes skin irritation.

- 2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

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- Hazard pictograms

GHS05

- Signal word Danger**- Hazard-determining components of labelling:**

tetrasodium ethylenediaminetetraacetate

Sodium metasilicate, pentahydrate

1-hydroxy ethylidene-1,1diphosphonic acid

- Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

- Precautionary statements

P102 Keep out of reach of children.

P280 Wear protective gloves / eye protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

- 2.3 Other hazards**- Results of PBT and vPvB assessment****- PBT:** Not applicable.**- vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures**- Description:** Mixture of substances**- Dangerous components:**

CAS: 10213-79-3 EINECS: 229-912-9 Reg.nr.: 01-2119449811-37	Sodium metasilicate, pentahydrate Met. Corr.1, H290; Skin Corr. 1B, H314; STOT SE 3, H335	1-<3%
CAS: 111-76-2 EINECS: 203-905-0 Reg.nr.: 01-2119475108-36	2-butoxyethanol Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319 ATE: LD50 oral: 1,200 mg/Kg	1-<3%
CAS: 9004-82-4	Sodium Laureth Sulphate Eye Dam. 1, H318; Skin Irrit. 2, H315; Aquatic Chronic 3, H412 Specific concentration limits: Eye Dam. 1; H318: C ≥ 10 % Eye Irrit. 2; H319: 5 % ≤ C < 10 %	1-<3%
CAS: 78330-20-8 EC number: 616-607-4	Ethoxy Alcohol C9-C11 Eye Dam. 1, H318; Acute Tox. 4, H302	1-<3%
CAS: 64-02-8 EINECS: 200-573-9 Reg.nr.: 01-2119486762-27	tetrasodium ethylenediaminetetraacetate STOT RE 2, H373; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H332	1-<3%

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CAS: 2809-21-4 EINECS: 220-552-8 Reg.nr.: 01-2119510391-53	<i>1-hydroxy ethylidene-1,1diphosphonic acid</i> Met. Corr. 1, H290; Eye Dam. 1, H318; Acute Tox. 4, H302	1- < 3%
CAS: 1310-58-3 EINECS: 215-181-3 Reg.nr.: 01-2119487136-33	<i>potassium hydroxide</i> Met. Corr. 1, H290; Skin Corr. 1A, H314; Acute Tox. 4, H302 Specific concentration limits: Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0.5 % ≤ C < 2 % Eye Irrit. 2; H319: 0.5 % ≤ C < 2 %	< 1%

- Regulation (EC) No 648/2004

EDTA and salts thereof, non-ionic surfactants, anionic surfactants, phosphonates, perfumes

< 5%

- 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** No special measures required.**- After inhalation** Supply fresh air; consult doctor in case of symptoms.**- After skin contact**

Instantly wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

- After eye contact

Rinse opened eye for several minutes under running water. Then consult doctor.

Use eye protection.

- After swallowing

Drink copious amounts of water and provide fresh air. Instantly call for doctor.

Do not induce vomiting; instantly call for medical help.

- 4.2 Most important symptoms and effects, both acute and delayed

Sickness

No further relevant information available.

- 4.3 Indication of any immediate medical attention and special treatment needed

If swallowed, gastric irrigation

Medical supervision for at least 48 hours

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.

Use fire fighting measures that suit the environment.

- 5.2 Special hazards arising from the substance or mixture

Can be released in case of fire

Carbon monoxide (CO)

- 5.3 Advice for firefighters**- Protective equipment:**

Do not inhale explosion gases or combustion gases.

Protection means for respiratory tract

- Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures**- 6.1 Personal precautions, protective equipment and emergency procedures**

Protective gloves. (EN 374)

Particular danger of slipping on leaked/spilled product.

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- **For non-emergency personnel**
Ensure adequate ventilation
Keep away from ignition sources
Wear protective clothing.
Particular danger of slipping on leaked/spilled product.
- **For emergency responders**
PVC gloves
Nitrile rubber, NBR
- **6.2 Environmental precautions:**
Inform respective authorities in case product reaches water or sewage system.
Dilute with much water.
Do not allow to enter drainage system, surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.
- **6.4 Reference to other sections**
No dangerous materials are released.
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**
No special precautions necessary if used correctly.
Take off immediately all contaminated clothing
Wash hands during breaks and at the end of the work.
Do not eat, drink or smoke while working.
- **Information about protection against explosions and fires:** Protect from heat.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** Store only in the original container.
- **Information about storage in one common storage facility:** Do not store together with acids.
- **Further information about storage conditions:** None.
- **Class according to regulation on inflammable liquids:** Void
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters

- **Components with limit values that require monitoring at the workplace:**

111-76-2 2-butoxyethanol

WEL	Short-term value: 246 mg/m ³ , 50 ppm
	Long-term value: 123 mg/m ³ , 25 ppm
	Sk, BMGV

1310-58-3 potassium hydroxide

WEL	Short-term value: 2 mg/m ³
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- DNELs

64-02-8 tetrasodium ethylenediaminetetraacetate

Oral	Systemic Long-term Effects	25 mg/Kg bw/day (Consumers)
Inhalative	Local long-term effects	1.5 mg/m ³ (Industrial Workers)
		0.6 mg/m ³ (Consumers)
	Local short-term effects	3 mg/m ³ (Industrial Workers)

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	Systemic long-term effects	1.2 mg/m ³ (Consumers) 1.5 mg/m ³ (Industrial Workers)
	Systemic Short-term Effects	0.6 mg/m ³ (Consumers) 2.5 mg/m ³ (Industrial Workers) 1.5 mg/m ³ (Consumers)

10213-79-3 Sodium metasilicate, pentahydrate

Oral	Systemic Long-term Effects	0.74 mg/Kg bw/day (Consumers)
Dermal	Systemic long-term effects	1.49 mg/Kg bw/day (Industrial Workers) 0.74 mg/Kg bw/day (Consumers)
Inhalative	Systemic long-term effects	6.22 mg/m ³ (Industrial Workers) 1.55 mg/m ³ (Consumers)

111-76-2 2-butoxyethanol

Oral	Systemic Long-term Effects	6.3 mg/Kg bw/day (Consumers)
	Systemic short-term effects	26.7 mg/m ³ (Consumers)
Dermal	Systemic long-term effects	125 mg/Kg bw/day (Industrial Workers) 75 mg/Kg bw/day (Consumers)
	Systemic Short-term Effects	89 mg/Kg bw/day (Industrial Workers) 89 mg/Kg bw/day (Consumers)
Inhalative	Local long-term effects	67.5 mg/m ³ (Industrial Workers) 40.5 mg/m ³ (Consumers)
	Local short-term effects	246 mg/m ³ (Industrial Workers) 147 mg/m ³ (Consumers)
	Systemic long-term effects	98 mg/m ³ (Industrial Workers) 59 mg/m ³ (Consumers)
	Systemic Short-term Effects	1,091 mg/m ³ (Industrial Workers) 426 mg/m ³ (Consumers)

68891-38-3 Sodium Laureth Sulphate

Dermal	Systemic long-term effects	2,750 mg/Kg bw/day (Industrial Workers)
Inhalative	Systemic long-term effects	175 mg/m ³ (Industrial Workers)

2809-21-4 1-hydroxy ethylidene-1,1diphosphonic acid

Oral	Systemic Long-term Effects	13 mg/Kg bw/day (Consumers)
	Systemic short-term effects	13 mg/m ³ (Industrial Workers) 6.5 mg/m ³ (Consumers)
Dermal	Systemic long-term effects	13 mg/Kg bw/day (Industrial Workers)

1310-58-3 potassium hydroxide

Inhalative	Local long-term effects	1 mg/m ³ (Industrial Workers) 1 mg/m ³ (Consumers)
	Systemic long-term effects	1 mg/m ³ (Industrial Workers) 1 mg/m ³ (Consumers)

- PNECs**64-02-8 tetrasodium ethylenediaminetetraacetate**

PNEC STP	43 mg/L (STP)
Soil	0.72 mg/Kg (Soil)
Soft Water	2.2 mg/L (Water)
Sea water	0.22 mg/L (Water)
Occasional Emission	1.2 mg/L (Water)

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10213-79-3 Sodium metasilicate, pentahydrate

PNEC STP	1,000 mg/L (STP)
Soft Water	7.5 mg/L (Water)
Sea water	1 mg/L (Water)

111-76-2 2-butoxyethanol

PNEC STP	463 mg/L (STP)
Soil	2.33 mg/Kg (Soil)
Soft Water	8.8 mg/L (Water)
Sea water	0.88 mg/L (Water)
Sediment (soft water)	34.6 mg/Kg (Soil)
Sediment (sea water)	3.46 mg/Kg (Soil)
Occasional Emission	26.4 mg/L (Water)

68891-38-3 Sodium Laureth Sulphate

PNEC STP	10,000 mg/L (STP)
Soil	7.5 mg/Kg (Soil)
Soft Water	0.24 mg/L (Water)
Sea water	0.024 mg/L (Water)
Sediment (soft water)	0.917 mg/Kg (Soil)
Sediment (sea water)	0.092 mg/Kg (Soil)

2809-21-4 1-hydroxy ethylidene-1,1diphosphonic acid

PNEC STP	20 mg/L (STP)
Soil	96 mg/Kg (Soil)
Soft Water	0.136 mg/L (Water)
Sea water	0.0136 mg/L (Water)
Sediment (soft water)	59 mg/Kg (Soil)
Sediment (sea water)	5.9 mg/Kg (Soil)

- Ingredients with biological limit values:**111-76-2 2-butoxyethanol**

BMGV	240 mmol/mol creatinine
	Medium: urine
	Sampling time: post shift
	Parameter: butoxyacetic acid

- 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 item 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures**
Take off immediately all contaminated clothing
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes and skin.
- **Breathing equipment:** Not required.
- **Hand protection**



Protective gloves. (EN 374)

Alkaline resistant gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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- Material of gloves

PVC gloves
Nitrile rubber, NBR

- Penetration time of glove material

For the mixture of chemicals mentioned below the penetration time has to be at least 30 minutes (Permeation according to EN 16523-1:2015: Level 2).

- Eye/face protection

Tightly sealed safety glasses.

- Environmental exposure controls Dispose of packaging according to regulations on the disposal of packagings.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties**- General Information**

- Physical state	Fluid
- Colour:	Light green
- Odour:	Pleasant
- Odour threshold:	Not determined.
- Melting point/freezing point:	Not determined
- Boiling point or initial boiling point and boiling range	100 °C
- Flammability	Not applicable.
- Lower and upper explosion limit	
- Lower:	Not determined.
- Upper:	Not determined.
- Flash point:	Not applicable
- Self-inflammability:	Product is not selfigniting.
- Decomposition temperature:	Not determined.
- pH at 20 °C	>11
- Viscosity:	
- Kinematic viscosity	Not determined.
- dynamic:	Not determined.
- Solubility	
- Water:	Fully miscible
- Partition coefficient n-octanol/water (log value)	Not determined.
- Vapour pressure at 20 °C:	23 hPa
- Density and/or relative density	
- Density at 20 °C	1.06 g/cm ³
- Relative density	Not determined.
- Vapour density	Not determined.

- 9.2 Other information

- Appearance:	
- Form:	Fluid
- Important information on protection of health and environment, and on safety.	
- Explosive properties:	Product is not explosive.
- Change in condition	
- Evaporation rate	Not determined.

- Information with regard to physical hazard classes

- Explosives	Void
- Flammable gases	Void
- Aerosols	Void
- Oxidising gases	Void

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- 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
- Organic peroxides	Void
- Corrosive to metals	Void
- Desensitised explosives	Void

SECTION 10: Stability and reactivity

- 10.1 Reactivity Stable under normal conditions
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions Reacts with acids
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: Reacts with strong acids
- 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

- LD/LC50 values that are relevant for classification:

64-02-8 tetrasodium ethylenediaminetetraacetate

Oral	LD50	1,780 mg/Kg (Rat)
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10213-79-3 Sodium metasilicate, pentahydrate

Oral	LD50	1,152-1,349 mg/Kg (Rat)
	NOAEL	260 mg/Kg (Mouse)
Dermal	LD50	227 mg/Kg (Rat)
	LD50	>5,000 mg/Kg (Rat)
Inhalative	LC50	>2.06 mg/L (Rat)

111-76-2 2-butoxyethanol

Oral	LD50	1,200 mg/Kg (ATE)
		>2,000 mg/Kg (Rabbit)
Dermal	LD50	1,746 mg/Kg (Rat)
	LD50	>2,000 mg/Kg (Rat)

68891-38-3 Sodium Laureth Sulphate

Oral	LD50	4,100 mg/Kg (Rat)
Dermal	LD50	>2,000 mg/Kg (Rat)

- Skin corrosion/irritation Causes skin irritation.

- Serious eye damage/irritation Causes serious eye damage.

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- 11.2 Information on other hazards**- Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information**- 12.1 Toxicity****- Aquatic toxicity:****64-02-8 tetrasodium ethylenediaminetetraacetate**

LC50 (96h) >100 mg/L (Fish)

EC50 (48h) 140 mg/L (Daphnia)

EC50 (72h) >100 mg/L (Algae)

10213-79-3 Sodium metasilicate, pentahydrate

LC50 (96h) 210 mg/L (Fish)

EC50 (48h) 1,700 mg/L (Daphnia)

111-76-2 2-butoxyethanol

LC50 (96h) 1,474 mg/L (Fish)

EC50 (48h) 1,550 mg/L (Daphnia)

EC50 (72h) 911 mg/L (Algae)

68891-38-3 Sodium Laureth Sulphate

LC50 (96h) 7.1 mg/L (Fish)

EC50 (48h) 7.4 mg/L (Daphnia)

2809-21-4 1-hydroxy ethylidene-1,1diphosphonic acid

LC50 (96h) 195 mg/L (Fish)

EC50 (48h) 527 mg/L (Daphnia)

EC50 (96h) 7.2 mg/L (Algae)

1310-58-3 potassium hydroxide

LC50 (96h) 80 mg/L (Fish)

- 12.2 Persistence and degradability The contained surfactants are easily biodegradable**- 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** The product does not contain substances with endocrine disrupting properties.**- 12.7 Other adverse effects****- Additional ecological information:****- General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

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SECTION 13: Disposal considerations

- 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: Dispose of packaging according to regulations on the disposal of packagings.

SECTION 14: Transport information

- | | |
|--|--|
| - 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 |
| - 14.6 Special precautions for user | Not applicable. |
| - 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |
| - Transport/Additional information: | Not dangerous according to the above specifications. |

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- National regulations
- Classification according to VbF: Void
- Technical instructions (air):

Class	Share in %
NK	2.0

- Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

- Relevant phrases
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.

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*H335 May cause respiratory irritation.**H373 May cause damage to organs through prolonged or repeated exposure.**H412 Harmful to aquatic life with long lasting effects.***- Department issuing data specification sheet: Ma-Fra Laboratories****- Contact: lab@mafra.it****- 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)**ADR: Accord européen sur le transport 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)**VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)**DNEL: Derived No-Effect Level (REACH)**PNEC: Predicted No-Effect Concentration (REACH)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**Met. Corr. 1: Corrosive to metals – Category 1**Acute Tox. 4: Acute toxicity – Category 4**Skin Corr. 1A: Skin corrosion/irritation – Category 1A**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**Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**STOT SE 3: Specific target organ toxicity (single exposure) – Category 3**STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2**Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3***- * Data compared to the previous version altered.**