

Safety data sheet

according to 1907/2006/EC, Article 31 Version number 17 (replaces version 16)

Revision: 03.03.2023

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

· 1.1 Product identifier

- · Trade name: Mipa Waschverdünnung 142
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- No further relevant information available. • Application of the substance / the mixture Thinner, Diluent
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier: MIPA SE Am Oberen Moos 1 D-84051 Essenbach Tel.: +49(0)8703-922-0 Fax.: +49(0)8703-922-100 e-mail: sdb-registratur@mipa-paints.com www.mipa-paints.com
- 1.4 Emergency telephone number: International emergency number: +49(0)700 24112112 (MIP)

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

flame		
Flam. Liq. 2	H225	Highly flammable liquid and vapour.
health ha	azard	
STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.
Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2	H319	Causes serious eye irritation.
STOT SE 3	H335-H336	6 May cause respiratory irritation. May cause drowsiness or dizziness.
Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects.
	ing to Regu ssified and la ns GHS08	Ilation (EC) No 1272/2008 abelled according to the GB CLP regulation.
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(Contd. of page 1) · Hazard-determining components of labelling: **Xvlene** Hydrocarbons, C9, aromatics n-Butyl acetate Ethylbenzene Hazard statements H225 Highly flammable liquid and vapour. H315 Causes skin irritation. H319 Causes serious eye irritation. H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness. H373 May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways. H304 Harmful to aquatic life with long lasting effects. H412 Precautionary statements If medical advice is needed, have product container or label at hand. P101 P102 Keep out of reach of children. Read carefully and follow all instructions. P103 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Specific treatment (see on this label). P321 Do NOT induce vomiting. P331 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P362+P364 Take off contaminated clothing and wash it before reuse. 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 Mixtures

· Description: Mixture of substances listed below with nonhazardous additions.

CAS: 123-86-4	n-Butyl acetate	25-50%
EINECS: 204-658-1 Reg.nr.: 01-2119485493-29	🚸 Flam. Liq. 3, H226; ۯ STOT SE 3, H336, EUH066	
CAS: 1330-20-7	Xylene	10-25%
EINECS: 215-535-7 Reg.nr.: 01-2119488216-32	 Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 	
CAS: 64742-95-6	Hydrocarbons, C9, aromatics	<i>≥</i> 2.5-<15%
EC number: 918-668-5 Reg.nr.: 01-2119455851-35	 ♦ Flam. Liq. 3, H226; ♦ Asp. Tox. 1, H304; ♦ Aquatic Chronic 2, H411; ♦ STOT SE 3, H335- H336, EUH066 	
CAS: 108-65-6	2-Methoxy-1-methylethyl acetate	2.5-<10%
EINECS: 203-603-9 Reg.nr.: 01-2119475791-29	🚸 Flam. Liq. 3, H226; ۯ STOT SE 3, H336	
CAS: 100-41-4	Ethylbenzene	2.5-<10%
EINECS: 202-849-4 Reg.nr.: 01-2119489370-35	Flam. Liq. 2, H225; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	



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CAC: 407.00.0		(Contd. of page 2
CAS: 107-98-2 EINECS: 203-539-1 Reg.nr.: 01-2119457435-35	1-methoxy-2-propanol line Flam. Liq. 3, H226; (1) STOT SE 3, H336	2.5-<10%
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49	acetone	2.5-<5%
CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46	Ethyl acetate Flam. Liq. 2, H225; () Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	2.5-<10%
CAS: 78-93-3 EINECS: 201-159-0 Reg.nr.: 01-2119457290-43	Methyl ethyl ketone	2.5-<10%
CAS: 108-88-3 EINECS: 203-625-9 Reg.nr.: 01-2119471310-51	Toluene Flam. Liq. 2, H225;	<i>≥</i> 2.5-<3%
CAS: 78-83-1 EINECS: 201-148-0 Reg.nr.: 01-2119484609-23	Isobutanol ♦ Flam. Liq. 3, H226; ♦ Eye Dam. 1, H318; ♦ Skin Irrit. 2, H315; STOT SE 3, H335-H336	<i>≥</i> 1-<2.5%
CAS: 71-36-3 EINECS: 200-751-6 Reg.nr.: 01-2119484630-38	Butan-1-ol	≥1-<2.5%
EC number: 920-750-0 Reg.nr.: 01-2119473851-33	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; 🕥 STOT SE 3, H336, EUH066	<i>≥</i> 0.25-<2.5%
CAS: 110-12-3 EINECS: 203-737-8 Reg.nr.: 01-2119472300-51	5-methylhexan-2-one	<1%
CAS: 100-42-5 EINECS: 202-851-5 Reg.nr.: 01-2119457861-32	Styrene Flam. Liq. 3, H226; & Repr. 2, H361d; STOT RE 1, H372; Asp. Tox. 1, H304; ① Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412	<1%
CAS: 108-10-1 EINECS: 203-550-1 Reg.nr.: 01-2119473980-30	4-methylpentan-2-one	<i>≥</i> 0.1-<1%

SECTION 4: First aid measures

• 4.1 Description of first aid measures

• General information: Immediately remove any clothing soiled by the product.

- After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact: Immediately rinse with water.
- · After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. • After swallowing: Seek immediate medical advice.

• **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

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(Contd. of page 3) • 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet

• **5.2 Special hazards arising from the substance or mixture** During heating or in case of fire poisonous gases are produced.

- · 5.3 Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Mount respiratory protective device. Wear protective equipment. Keep unprotected persons away.
6.2 Environmental precautions: Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ 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 contaminated material as waste according to item 13. Ensure adequate ventilation.
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 disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Keep away from heat and direct sunlight. Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
- Information about fire and explosion protection: Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Keep respiratory protective device available.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- · Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

- Storage class: 3
- · 7.3 Specific end use(s) No further relevant information available.

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8.1 C	ontrol parameters	
	edients with limit values that require monitoring at the workplace:	
-	36-4 n-Butyl acetate	
	Short-term value: 966 mg/m³, 200 ppm	
	Long-term value: 724 mg/m³, 150 ppm	
1330	-20-7 Xylene	
WEL	Short-term value: 441 mg/m³, 100 ppm	
	Long-term value: 220 mg/m³, 50 ppm Sk; BMGV	
108-6	55-6 2-Methoxy-1-methylethyl acetate	
WEL	Short-term value: 548 mg/m³, 100 ppm	
	Long-term value: 274 mg/m³, 50 ppm Sk	
100-4	11-4 Ethylbenzene	
WEL	Short-term value: 552 mg/m³, 125 ppm	
	Long-term value: 441 mg/m³, 100 ppm Sk	
107-9	98-2 1-methoxy-2-propanol	
WEL	Short-term value: 560 mg/m³, 150 ppm	
	Long-term value: 375 mg/m³, 100 ppm Sk	
67-64	I-1 acetone	
WEL	Short-term value: 3620 mg/m³, 1500 ppm Long-term value: 1210 mg/m³, 500 ppm	
141-7	78-6 Ethyl acetate	
	Short-term value: 1468 mg/m³, 400 ppm Long-term value: 734 mg/m³, 200 ppm	
78-93	3-3 Methyl ethyl ketone	
	Short-term value: 899 mg/m ³ , 300 ppm	
	Long-term value: 600 mg/m³, 200 ppm Sk, BMGV	
108-8	38-3 Toluene	
WEL	Short-term value: 384 mg/m³, 100 ppm	
	Long-term value: 191 mg/m³, 50 ppm Sk	
78-83	3-1 Isobutanol	
WEL	Short-term value: 231 mg/m³, 75 ppm Long-term value: 154 mg/m³, 50 ppm	
71-36	6-3 Butan-1-ol	
WEL	Short-term value: 154 mg/m³, 50 ppm Sk	
110-1	12-3 5-methylhexan-2-one	
	Short-term value: 475 mg/m³, 100 ppm	
	Long-term value: 95 mg/m³, 20 ppm Sk	



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	2-5 Styrene
VVEL	Short-term value: 1080 mg/m³, 250 ppm
	Long-term value: 430 mg/m³, 100 ppm
108-10	-1 4-methylpentan-2-one
WEL	Short-term value: 416 mg/m³, 100 ppm
	Long-term value: 208 mg/m³, 50 ppm
	Sk, BMGV
Ingred	lients with biological limit values:
	20-7 Xylene
BMGV	650 mmol/mol creatinine
	Medium: urine
	Sampling time: post shift
70.00	Parameter: methyl hippuric acid
	3 Methyl ethyl ketone
BINGV	70 μmol/L Medium: urine
	Sampling time: post shift
	Parameter: butan-2-one
108-10	-1 4-methylpentan-2-one
BMGV	20 μmol/L
	Medium: urine
	Sampling time: post shift
	Parameter: 4-methylpentan-2-one onal information: The lists valid during the making were used as basis.
	<i>priate engineering controls No further data; see item 7.</i> Jual protection measures, such as personal protective equipment al protective and hygienic measures:
Gener Keep a Immec Wash Store J Avoid Avoid	Aual protection measures, such as personal protective equipment al protective and hygienic measures: away from foodstuffs, beverages and feed. liately remove all soiled and contaminated clothing hands before breaks and at the end of work. protective clothing separately. contact with the eyes. contact with the eyes and skin. ratory protection:
Gener Keep a Immec Wash Store p Avoid Avoid Respi	Aual protection measures, such as personal protective equipment al protective and hygienic measures: away from foodstuffs, beverages and feed. liately remove all soiled and contaminated clothing hands before breaks and at the end of work. protective clothing separately. contact with the eyes. contact with the eyes and skin. ratory protection:
Gener Keep a Immed Wash Store J Avoid Respin Filter A Hand	Image: Second start of the glove material on consideration of the glove material on consideration of the glove material on consideration of the penetration times, rates of diffusion and the
Gener Keep a Immed Wash Store J Avoid Respi Filter A Respi Filter A Hand Select	Image: Second start of the glove material on consideration of the glove material on consideration of the glove material on consideration of the penetration times, rates of diffusion and the
Gener Keep a Immed Wash Store J Avoid Respi Filter A Construction Hand Select degrad The g prepar	The all protection measures, such as personal protective equipment all protective and hygienic measures: way from foodstuffs, beverages and feed. liately remove all soiled and contaminated clothing hands before breaks and at the end of work. protective clothing separately. contact with the eyes. contact with the eyes and skin. ratory protection: W In case of brief exposure or low pollution use respiratory filter device. In case of intensi or longer exposure use self-contained respiratory protective device. In case of brief exposure or low pollution of the penetration times, rates of diffusion and the or longer exposure use self-contained respiratory protective device. Protective gloves (EN 374) Invertex material has to be impermeable and resistant to the product/ the substance/ the ation.
Gener Keep a Immed Wash Store J Avoid Respi Filter A Select degrad The g prepar Mater	The all protection measures, such as personal protective equipment all protective and hygienic measures: way from foodstuffs, beverages and feed. liately remove all soiled and contaminated clothing hands before breaks and at the end of work. protective clothing separately. contact with the eyes. contact with the eyes and skin. ratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensit or longer exposure use self-contained respiratory protective device. In case of brief exposure or low pollution use respiratory filter device. In case of intensit or longer exposure use self-contained respiratory protective device. Protection Y In case of brief exposure or low pollution of the penetration times, rates of diffusion and the lation Protection Y Protective gloves (EN 374) In waterial has to be impermeable and resistant to the product/ the substance/ the

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Recommended thickness of the material: ≥ 0.7 mm

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- Breakthrough time of glove material Value for the permeation: Level < 1
- · Eye/face protection



Tightly sealed goggles

9.1 Information on basic physical and che	mical properties
General Information	
Physical state	Fluid
Colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and	
boiling range	124-128 °C (123-86-4 n-Butyl acetate)
Flammability	Highly flammable.
Lower and upper explosion limit	0, 1
Lower:	0.7 Vol % (64742-95-6 Hydrocarbons, C
	aromatics)
Upper:	7.5 Vol % (123-86-4 n-Butyl acetate)
Flash point:	-4 °C (DIN 53213)
Ignition temperature:	315 °C (DIN 51794, 108-65-6 2-Methoxy-
	methylethyl acetate)
Decomposition temperature:	Not determined.
pH	Not determined.
Viscosity:	Not determined.
Kinematic viscosity at 20 °C	10-15 s (DIN 53211/4)
	Not determined.
Dynamic:	Not determined.
Solubility	Not missible or difficult to miss
water:	Not miscible or difficult to mix.
Partition coefficient n-octanol/water (log	
value)	Not determined.
Vapour pressure at 20 °C:	10.7 hPa (123-86-4 n-Butyl acetate)
Density and/or relative density	
Density at 20 °C:	0.876 g/cm³ (DIN 53217)
Relative density	Not determined.
Vapour density	Not determined.
9.2 Other information	
Appearance:	
Form:	Fluid
Important information on protection of he	
	aiui
and environment, and on safety.	Draduct is not colfignitize
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation explosive air/vapour mixtures are possible.

age 0)



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Solvent content:		
Water:	0.2 %	
VOC (EC)	99.10 %	
Solids content (weight-%):	0.0 %	
Change in condition		
Evaporation rate	Not determined.	
Information with regard to physical haz	ard	
classes		
Explosives	Void	
Flammable gases	Void	
Aerosols	Void	
Oxidising gases	Void	
Gases under pressure	Void	
Flammable liquids	Highly flammable liquid and vapour.	
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 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: Carbon monoxide

SECTION 11: Toxicological information

 \cdot 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.
- · Skin corrosion/irritation Causes skin irritation.
- · Serious eye damage/irritation Causes serious eye irritation.
- STOT-single exposure May cause respiratory irritation. May cause drowsiness or dizziness.
- STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure.
- Aspiration hazard May be fatal if swallowed and enters airways.
- 11.2 Information on other hazards
- · Endocrine disrupting properties

List II

GB

78-93-3 Methyl ethyl ketone

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SECTION 12: Ecological information

· 12.1 Toxicity

- · Aquatic toxicity: No further relevant information available.
- **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:

Water hazard class 2 (German Regulation) : hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Harmful to aquatic organisms

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packaging:

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

14.1 UN number or ID number	
ADR, IMDG, IATA	UN1263
14.2 UN proper shipping name	
ADR	UN1263 PAINT RELATED MATERIAL
IMDG, IATA	PAINT RELATED MATERIAL
ADR	
Class	3 (F1) Flammable liquids.
Label	3



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IMDG, IATA	
8	
Class	3 Flammable liquids.
Label	3
14.4 Packing group	
ADR, IMDG, IATA	11
14.5 Environmental hazards:	
Marine pollutant:	No
14.6 Special precautions for user	Warning: Flammable liquids.
Hazard identification number (Kemler code):	
EMS Number:	F-E, <u>S-E</u>
Stowage Category	В
14.7 Maritime transport in bulk according to	
IMO instruments	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	5L
Transport category	2
Tunnel restriction code	D/E
IMDG	
Limited quantities (LQ)	5L
UN "Model Regulation":	UN 1263 PAINT RELATED MATERIAL, 3, II

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.
- · Seveso category P5c FLAMMABLE LIQUIDS
- · Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t
- · National regulations:
- · Additional classification according to Decree on Hazardous Materials, Annex II:

Class	Share in %
NK	50-100

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

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H225 Highly flammable liquid and vapour.

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H22		
H30		
H30		
H31		
H31		
H31	8 Causes serious eye damage.	
H31		
H33		
H33		
H33		
H35		
H36		
H36		
H37		
H37		
H41		
H41		
	1066 Repeated exposure may cause skin dryness or cracking.	
	ssification according to Regulation (EC) No 1272/2008	
	classification of the mixture is generally based on the calculation method using substance data	
	ording to Regulation (EC) No 1272/2008.	
	previations and acronyms:	
RID.	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations	
Con	cerning the International Transport of Dangerous Goods by Rail)	
	D: International Civil Aviation Organisation	
	: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning nternational Carriage of Dangerous Goods by Road)	
	G: International Maritime Code for Dangerous Goods	
	: International Air Transport Association	
	: Globally Harmonised System of Classification and Labelling of Chemicals	
	CCS: European Inventory of Existing Commercial Chemical Substances	
	ICS: European List of Notified Chemical Substances : Chemical Abstracts Service (division of the American Chemical Society)	
	: Volatile Organic Compounds (USA, EU)	
	Persistent, Bioaccumulative and Toxic	
	vPvB: very Persistent and very Bioaccumulative	
	Flam. Liq. 2: Flammable liquids – Category 2	
	Flam. Liq. 3: Flammable liquids – Category 3 Acute Tox. 4: Acute toxicity – Category 4	
	Skin Irrit. 2: Skin corrosion/irritation – Category 2	
Eye	Eye Dam. 1: Serious eye damage/eye irritation – Category 1	
	Eye Irrit. 2: Serious eye damage/eye irritation – Category 2	
	Carc. 2: Carcinogenicity – Category 2	
	Repr. 2: Reproductive toxicity – Category 2 Repr. 2: Reproductive toxicity – Category 2	
	T SE 3: Specific target organ toxicity (single exposure) – Category 3	
STO	T RE 1: Specific target organ toxicity (repeated exposure) – Category 1	
	T RE 2: Specific target organ toxicity (repeated exposure) – Category 2	
	Tox. 1: Aspiration hazard – Category 1 tic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2	
Aqua	tic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2	
	ata compared to the previous version altered.	