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SECTION 1: Identification of the substance/mixture and of the company/undertaking				
· 1.1 Product identifier				
· Trade name: <u>RUST STOP various colours 400ml</u>				
 Article number: 162459, 179266, 179273, 179297, 179303, 179334, 179341, 223594, 228667, 228674, 228681, 228698, 228704, 228711, 228728, 228735, 228742, 228759, 228766, 228773, 228780, 232619, 232626, 232633, 232640, 232657, 232864, 239823, 239830, 239847, 239854, 239861, 239885, 239892, 239908, 239915, 239922, 824784, 824791, 824807, 824814, 824821, 868320, 868337, 868344, 868351, 868368 1.2 Relevant identified uses of the substance or mixture and uses advised against No further relevant information available. Sector of Use SU21 Consumer uses: Private households / general public / consumers SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen) Product category PC9a Coatings and paints, thinners, paint removers Process category PROC7 Industrial spraying PROC11 Non industrial spraying Application of the substance / the mixture Lacquer 				
 1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier: MOTIP DUPLI GmbH Kurt Vogelsang Strasse 6 D-74855 Haßmersheim Tel.: +49/6266/75-0 msds@de.motipdupli.com Further information obtainable from: Department Product Safety 1.4 Emergency telephone number: Tel.:+49 6266-75-310 Fax +49 6266-75-362 (Mo - Th 08:00 am - 04:00 pm, Fr 08:00 am - 00:30 pm) 				
SECTION 2: Hazards identification • 2.1 Classification of the substance or mixture • Classification according to Regulation (EC) No 1272/2008 GHS02 flame				
Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.				
Eye Irrit. 2H319Causes serious eye irritation.STOT SE 3H336May cause drowsiness or dizziness.				
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects. (Contd. on page 2) GB				

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	(Contd. of page
· 2.2 Lahe	l elements
	g according to Regulation (EC) No 1272/2008
	luct is classified and labelled according to the CLP regulation.
	pictograms
<u> </u>	
بلاد	
<u>(5</u>)	
	\mathbf{V}
GHS02	GHS07
· Signal w	ord Danger
0	determining components of labelling:
acetone	iciermaning components of mocumes.
n-butyl a	icotato
~	xy-1-methylethyl acetate
	statements
-	229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H319	<i>Causes serious eye irritation.</i>
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.
· Precauti	onary statements
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P260	Do not breathe spray.
P410+P4	412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents / container in accordance with regional regulations.
· Addition	al information:
	Repeated exposure may cause skin dryness or cracking.
	of explosive mixtures possible without sufficient ventilation.
• 2.3 Othe	
· Results of	of PBT and vPvB assessment
	ot applicable.
$. v P v R \cdot N$	ot applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

 $\cdot \textit{Description: Mixture of substances listed below with nonhazardous additions.}$

· Dangerous	components:
-------------	-------------

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2 mg ci cus componentsi		
CAS: 67-64-1	acetone	12.5-<20%
EINECS: 200-662-2	🛞 Flam. Liq. 2, H225	
	🕐 Eye Irrit. 2, H319; STOT SE 3, H336	
Reg.nr.: 01-2119471330-49		
CAS: 115-10-6	dimethyl ether	12.5-<20%
EINECS: 204-065-8	🛞 Flam. Gas 1, H220	
Index number: 603-019-00-8	Press. Gas (Comp.), H280	
Reg.nr.: 01-2119472128-37		
	(0	ontd. on page 3)
		CI

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CAS: 123-86-4	n-butyl acetate	Contd. of pag 10-<12.5
EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29	 Flam. Liq. 3, H226 STOT SE 3, H336 	
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21	propane Flam. Gas 1, H220 Press. Gas (Comp.), H280	5-<10%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7 Reg.nr.: 01-2119475791-29	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226 STOT SE 3, H336	5-<10%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32	butane 🚸 Flam. Gas 1, H220	5-<10%
CAS: 9004-70-0	cellulose nitrate	2.5-<5%
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27	isobutane	<2.5%
EC number: 905-588-0 Index number: 601-022-00-9 Reg.nr.: 01-21194882216-32	xylene 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	<2.5%
CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5 Reg.nr.: 01-2119457610-43	ethanol Flam. Liq. 2, H225 Eye Irrit. 2, H319	<2.5%
CAS: 7779-90-0 EINECS: 231-944-3 Index number: 030-011-00-6 Reg.nr.: 01-2119485044-40	trizinc bis(orthophosphate) Aquatic Acute 1, H400; Aquatic Chronic 1, H410	<2.5%
Polymer	Alkohole, ethoxyliert (C12-C14) Eye Dam. 1, H318 Aquatic Acute 1, H400	≤ 0.5%

• Additional information:

The content of Benzene (EINECS-Nr. 200-753-7) in the ingredients is less than 0,1% (Note P Annex 1A 1272/2008 EU), so the classification as carcinogen need not to apply. xylene: Contains ethylbenzene CAS 100-41-4

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

SECTION 4: First aid measures

• 4.1 Description of first aid measures

· After inhalation: Supply fresh air; consult doctor in case of complaints.

• After skin contact: Generally the product does not irritate the skin.

• After eye contact:

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Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.

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

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• **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.

- Use fire extinguishing methods suitable to surrounding conditions. • 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

Wear protective equipment. Keep unprotected persons away.

- 6.2 Environmental precautions: 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: 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 Ensure good ventilation/exhaustion at the workplace.

• Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke. Keep respiratory protective device available.

- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles:

Observe official regulations on storing packagings with pressurised containers.

- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed.

· Storage class: 2 B

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

SECTION 8: Exposure controls/personal protection

• Additional information about design of technical facilities: No further data; see item 7.

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

67-64-1 acetone

WEL Short-term value: 3620 mg/m³, 1500 ppm

Long-term value: 1210 mg/m³, 500 ppm

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115-10	-6 dimethyl ether
	Short-term value: 958 mg/m ³ , 500 ppm
	Long-term value: 766 mg/m³, 400 ppm
	i-4 n-butyl acetate
	Short-term value: 966 mg/m³, 200 ppm
1	Long-term value: 724 mg/m³, 150 ppm
108-65	-6 2-methoxy-1-methylethyl acetate
WEL S	Short-term value: 548 mg/m³, 100 ppm
1	Long-term value: 274 mg/m³, 50 ppm
5	Sk
106-97	'-8 butane
WEL S	Short-term value: 1810 mg/m³, 750 ppm
	Long-term value: 1450 mg/m³, 600 ppm
(Carc (if more than 0.1% of buta-1.3-diene)
xylene	
WEL S	Short-term value: 441 mg/m ³ , 100 ppm
	Long-term value: 220 mg/m ³ , 50 ppm
	Sk; BMGV
64-17-	5 ethanol
	Long-term value: 1920 mg/m ³ , 1000 ppm
· Ingred	ients with biological limit values:
xylene	
BMGV	650 mmol/mol creatinine
	Medium: urine
	Sampling time: post shift
	Parameter: methyl hippuric acid
· Additio	onal information: The lists valid during the making were used as basis.
$\cdot 8.2 Ext$	posure controls
	al protective equipment:
	Il protective and hygienic measures:
	way from foodstuffs, beverages and feed.
Immed	iately remove all soiled and contaminated clothing
	nands before breaks and at the end of work.
	inhale gases / fumes / aerosols.
	contact with the eyes and skin.
	contact with the eyes.
	atory protection:
	cessary if room is well-ventilated. • of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure
	f-contained respiratory protective device.
	tion of hands:
	of contact with spray dust protective gloves made of butyl shoud be used (min. 0.4 mm thick), e.g.
	amatril, article no. 898 or similar products
Solven	t resistant gloves
Due to	missing tests no recommendation to the glove material can be given for the product/ the preparation/
	mical mixture.
	ove material has to be impermeable and resistant to the product/ the substance/ the preparation.
	on of the glove material on consideration of the penetration times, rates of diffusion and the
degrad	
	al of gloves
	ubber, BR
i ne sel	lection of the suitable gloves does not only depend on the material, but also on further marks of quality ries from manufacturer to manufacturer. As the product is a preparation of several substances, the
and va	nce of the alove material can not be calculated in advance and has therefore to be checked prior to the
and va	nce of the glove material can not be calculated in advance and has therefore to be checked prior to the ation.

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· Penetration time of glove material

Butyl rubber gloves with a thickness of 0.4 mm are resistant to: Acetone: 480 min
Butyl acetate: 60 min
Ethyl acetate: 170 min
Xylene: 42 min
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye protection:

Tigo

*

Tightly sealed goggles

9.1 Information on basic physical and chemical properties			
General Information			
Appearance:			
Form:	Aerosol		
Colour:	According to product specification		
Odour:	Characteristic		
Odour threshold:	Not determined.		
pH-value:	Not determined.		
Change in condition			
Melting point/freezing point:	Undetermined.		
Initial boiling point and boiling range	: Not applicable, as aerosol.		
Flash point:	Not applicable, as aerosol.		
Flammability (solid, gas):	Not applicable.		
Ignition temperature:	240 °C (464 °F)		
Decomposition temperature:	Not determined.		
Explosive properties:	Not determined.		
Explosion limits:			
Lower:	1.2 Vol %		
Upper:	26.2 Vol %		
Vapour pressure at 20 $\bullet C$ (68 $\bullet F$):	4,000 hPa (3,000.2 mm Hg)		
Density at 20 °C (68 °F):	0.81 g/cm ³ (6.76 lbs/gal)		
Relative density	Not determined.		
Vapour density	Not determined.		
Evaporation rate	Not applicable.		
Solubility in / Miscibility with			
water:	Not miscible or difficult to mix.		
Partition coefficient: n-octanol/water:	Not determined.		
Viscosity:			
Dynamic:	Not determined.		
Kinematic:	Not determined.		
Solvent content:			
Organic solvents:	72.8 %		

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VOC (EC)	589.7 g/l	
· VOC-EU% · Solids content:	72.80 %	
• 9.2 Other information	No further relevant information available.	

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 toxicological effects

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

LD/LC50 values relevant for classification:		
67-64-1 acetone		
Oral	LD50	5,800 mg/kg (rat)
Dermal	LD50	>15,800 mg/kg (rabbit)
Inhalative	LC50/4h	76 mg/l (rat)
123-86-4 n	-butyl aceta	ite
Oral	LD50	10,800 mg/kg (rat) (OECD 401)
Dermal	LD50	>17,600 mg/kg (rabbit)
Inhalative	LC50/4 h	>21 mg/m3 (rat)
108-65-62	-methoxy-1	-methylethyl acetate
Oral	LD50	8,530 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>10,000 mg/m3 (rat)
xylene		
Oral	LD50	3,523 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	29,000 mg/m3 (rat)
64-17-5 ethanol		
Oral	LD50	10,470 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4h	120 mg/l (rat)

· Primary irritant effect:

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

 \cdot Serious eye damage/irritation

Causes serious eye irritation.

• Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

· CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

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

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

• Reproductive toxicity Based on available data, the classification criteria are not met.

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- · STOT-single exposure
- May cause drowsiness or dizziness.
- · STOT-repeated exposure Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- · 12.1 Toxicity
- Aquatic toxicity:
- 67-64-1 acetone
- LC50/96h 8,300 mg/l (fish)
- EC50/96h 7,200 mg/l (algae)
- LC50 / 48 h 8,450 mg/l (crustacean (water flea))
- 115-10-6 dimethyl ether
- EC50 / 96 h 155 mg/l (algae)
- LC50/48 h >4,000 mg/l (daphnia magna)
- LC50/96 h >4,000 mg/l (fish)
- 108-65-6 2-methoxy-1-methylethyl acetate
- EC50/48 h >500 mg/l (daphnia magna)
- LC50/96 h 100-180 mg/l (oncorhynchus mykiss / Regenbogenforelle)

xylene

- EC50 / 48 h 7.4 mg/l (daphnia magna)
- LC50/96 h 13.5 mg/l (fish)

64-17-5 ethanol

- LC50/96h 13,000 mg/l (oncorhynchus mykiss / Regenbogenforelle)
- EC50 / 48 h 12,900 mg/l (algae)
- LC50/48 h 12,340 mg/l (daphnia magna)
- · 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.
- Ecotoxical effects:
- · Remark: Harmful to fish
- · Additional ecological information:
- · General notes:
- Water hazard class 2 (German Regulation) (Self-assessment): 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
- · 12.5 Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · vPvB: Not applicable.
- · 12.6 Other adverse effects No further relevant information available.
- **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.

• European waste catalogue 08 01 11* | waste paint and varnish containing organic solvents or other hazardous substances

15 01 04 metallic packaging

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15 01 10* packaging containing residues of or contaminated by hazardous substances

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· Uncleaned packaging:

· Recommendation:

Disposal must be made according to official regulations.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material.

Buildup of explosive mixtures possible without sufficient ventilation.

· 14.1 UN-Number · ADR, IMDG, IATA	UN1950
· 14.2 UN proper shipping name · ADR · IMDG · IATA	1950 AEROSOLS AEROSOLS AEROSOLS, flammable
· 14.3 Transport hazard class(es)	
ADR	
· Class	2 5F Gases.
· Label · IMDG, IATA	2.1
· Class · Label	2.1 2.1
· 14.4 Packing group · ADR, IMDG, IATA	not regulated
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user · Danger code (Kemler): · EMS Number: · Stowage Code	Warning: Gases. - F-D,S-U SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre Category A. For AEROSOLS with a capacity above 1 litre Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
· Segregation Code	SG69 For AEROSOLS with a maximum capacity of 1 litre Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

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· 14.7 Transport in bulk according to A	nnex II of
Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
\cdot Limited quantities (LQ)	1L
\cdot Excepted quantities (\widetilde{EQ})	Code: E0
· · · · · · · · · · · · · · · · · · ·	Not permitted as Excepted Quantity
· Transport category	2
· Tunnel restriction code	D
· IMDG	
\cdot Limited quantities (LQ)	1L
\cdot Excepted quantities ($\widetilde{E}Q$)	Code: E0
	Not permitted as Excepted Quantity
· UN ''Model Regulation'':	UN 1950 AEROSOLS, 2.1

SECTION 15: Regulatory information

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

- · Directive 2012/18/EU
- Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- \cdot Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

· National regulations:

- · Other regulations, limitations and prohibitive regulations
- · Substances of very high concern (SVHC) according to REACH, Article 57
- None of the ingredients is listed.

· 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

H220 Extremely flammable gas. H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H228 Flammable solid. H280 Contains gas under pressure; may explode if heated. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. · 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)

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IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)	
ICAO: International Civil Aviation Organisation	
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement c	oncerning 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)	
VOC: Volatile Organic Compounds (USA, EU)	
LC50: Lethal concentration, 50 percent	
LD50: Lethal dose, 50 percent	
PBT: Persistent, Bioaccumulative and Toxic	
SVHC: Substances of Very High Concern	
vPvB: very Persistent and very Bioaccumulative	
Flam. Gas 1: Flammable gases – Category 1	
Aerosol 1: Aerosols – Category 1	
Press. Gas (Comp.): Gases under pressure – Compressed gas	
Flam. Liq. 2: Flammable liquids – Category 2	
Flam. Liq. 3: Flammable liquids – Category 3	
Flam. Sol. 1: Flammable solids – Category 1	
Acute Tox. 4: Acute toxicity – Category 4	
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	
Asp. Tox. 1: Aspiration hazard – Category 1	
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	
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3	
• * Data compared to the previous version altered.	
	GB