

Page 1/9

# according to 1907/2006/EC, Article 31 Printing date 23.01.2023 Version number 7 (replaces version 6) Revision: 17.01.2023 SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1 Product identifier Trade name: Special Release Agent · Article number: 30125 1.2 Relevant identified uses of the substance or mixture and uses advised against FOR PROFESSIONAL AND INDUSTRIAL USE ONLY · Application of the substance / the mixture Release agent 1.3 Details of the supplier of the safety data sheet · Manufacturer/Supplier: KENT (United Kingdom) Ltd Forsyth House Pitreavie Drive Pitreavie Business Park Dunfermline Fife KY11 8US Tel: +44 01383 723344 / 0800 136925 Monday - Thursday 8.30am - 5.30pm, Friday 9.00am - 3.00pm Fax: +44 1383 620079 SDS@kenteurope.com 1.4 Emergency telephone number: Tel: +44 01383 723344 During normal office hours - Monday - Thursday 8.30am - 5.30pm, Friday 9.00am - 3.00pm **SECTION 2: Hazards identification** 2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 flame Aerosol 1 H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated. health hazard STOT RE 1 H372 Causes damage to the central nervous system through prolonged or repeated exposure. Eye Irrit. 2 H319 Causes serious eye irritation. STOT SE 3 H336 May cause drowsiness or dizziness. 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 GHS02 GHS07 GHS08

Safety data sheet

· Signal word Danger

(Contd. on page 2)

<sup>-</sup> GB

according to 1907/2006/EC, Article 31

Printing date 23.01.2023

Version number 7 (replaces version 6)

Revision: 17.01.2023

## Trade name: Special Release Agent

	(Contd. of page 1)
Hazard-deter	rmining components of labelling:
Propan-2-ol	
,	C9-C12, n-alkanes, iso-alkanes, cyclic, aromatics (2-25%)
Hazard state	
H222 Extremel	y flammable aerosol.
	ed container: May burst if heated.
	serious eye irritation.
	se drowsiness or dizziness.
	lamage to the central nervous system through prolonged or repeated exposure.
	o aquatic life with long lasting effects.
Precautional	ry statements
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.
P280	Wear protective gloves / eye protection.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P	338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding $50^{\circ}$ C/122°F.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
Additional in	formation:
EUH066 Repea	ated exposure may cause skin dryness or cracking.
2.3 Other h	azards
	BT and vPvB assessment
PBT: Not appl	
vPvB: Not app	

## SECTION 3: Composition/information on ingredients

## <sup>•</sup> 3.2 Mixtures

· Description: Mixture of the substances listed below with harmless additions.

CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25	Propan-2-ol	_ 25-50%
CAS: 68476-85-7 EINECS: 270-704-2	Petroleum gases, liquefied (contains less than 0.1 % w/w 1,3-butadiene (EINECS No 203-450-8)). Flam. Gas 1A, H220; Press. Gas (Comp.), H280	_ 10-50%
EC number: 919-446-0 Reg.nr.: 01-2119458049-33	Hydrocarbon, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatics (2-25%) Flam. Liq. 3, H226;    STOT RE 1, H372; Asp. Tox. 1, H304;    Aquatic Chronic 2, H411; STOT SE 3, H336	_ 10-25%
CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60	Dipropylene glycol monomethyl ether substance with a Community workplace exposure limit	5-25%

## SECTION 4: First aid measures

#### 4.1 Description of first aid measures

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

· After skin contact

Instantly wash with water and soap and rinse thoroughly.

Generally the product is not skin irritating.

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

· After swallowing In case of persistent symptoms consult doctor.

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

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

(Contd. on page 3)

- GB

according to 1907/2006/EC, Article 31

Printing date 23.01.2023

## Version number 7 (replaces version 6)

Revision: 17.01.2023

Trade name: Special Release Agent

(Contd. of page 2)

# SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing agents CO2, extinguishing powder or water haze. Fight larger fires with water haze or alcohol-resistant foam.
- 5.2 Special hazards arising from the substance or mixture Formation of poisonous gases during heating or in fires.

5.3 Advice for firefighters

· Protective equipment: Put on breathing apparatus.

#### SECTION 6: Accidental release measures

• **6.1 Personal precautions, protective equipment and emergency procedures** *Put on breathing apparatus.* 

Wear protective equipment. Keep unprotected persons away.

- 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:

Dispose of 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 information on disposal.

### SECTION 7: Handling and storage

- 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.
- Information about protection against explosions and fires: Keep ignition sources away - Do not smoke.

Keep breathing equipment ready.

- 7.2 Conditions for safe storage, including any incompatibilities
- · Storage

Requirements to be met by storerooms and containers:

- 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

<sup>•</sup> 7.3 Specific end use(s) No further relevant information available.

#### SECTION 8: Exposure controls/personal protection

# 8.1 Control parameters

· Сотро	nents with limit values t	hat require monitoring at the workplace:		
67-63-0	Propan-2-ol			
	Short-term value: 1250 mg/m³, 500 ppm			
	ng-term value: 999 mg/m³, 4			
68476-85	5-7 Petroleum gases, liquel	ied (contains less than 0.1 % w/w 1,3-butadiene (EINECS No 203-450-8)).		
WEL Sh	ort-term value: 2180 mg/m³,	1250 ppm		
	ng-term value: 1750 mg/m³,			
	rc (if LPG contains > 0.1% o	,		
	1-8 Dipropylene glycol mor	•		
	WEL Long-term value: 308 mg/m³, 50 ppm			
-	Sk			
· Regulat	tory information WEL: EF	140/2020		
· DNELs				
67-63-0 I	Propan-2-ol			
Oral	Long term systemic effect	26 mg/kg/day (Consumer)		
Dermal	Long term systemic effect	319 mg/kg/day (Consumer)		
		888 mg/kg bw/day (Worker)		
Inhalative	e Long term systemic effect	89 mg/m³ (Consumer)		
	•		(Contd. on page 4)	

Printing date 23.01.2023

Version number 7 (replaces version 6)

Revision: 17.01.2023

# Trade name: Special Release Agent

		(Contd. of pag
		500 mg/m3 (Worker)
Hydroca		so-alkanes, cyclic, aromatics (2-25%)
Dermal	Long term systemic effect	44 mg/kg bw/day (Worker)
	e Long term systemic effect	
34590-9	4-8 Dipropylene glycol mor	
Dermal	Long term systemic effect	283 mg/kg/day (Worker)
Inhalativ	e Long term systemic effect	308 mg/m3 (Worker)
PNECs		
67-63-0	Propan-2-ol	
PNEC 1	40.9 mg/l (Aqua (freshwater)	)
1	40.9 mg/l (Aqua (intermittent	
	40.9 mg/l (Aqua (marine wat	
	52 mg/kg (Freshwater sedim	
	52 mg/kg (Marine water sed	
		t plant) (Assessment factor 1)
	28 mg/kg (Soil)	,
	4-8 Dipropylene glycol mor	nomethyl ether
	9 mg/l (Aqua (freshwater))	· ·
	90 mg/l (Aqua (intermittent))	
	9 mg/l (Aqua (marine water))	
	0.2 mg/kg (Freshwater sedin	
	7.02 mg/kg (Marine water sed	
	,168 mg/l (Sewage treatmen	
	2.74 mg/kg (Soil)	
		that were valid during the compilation were used as basis.
	posure controls	
		ols No further data; see item 7.
	I protective and hygieni	s, such as personal protective equipment
	ay from foodstuffs, beverage	
	immediately all contaminated	
	ands during breaks and at the	end of the work.
	otective clothing separately. hhale gases / fumes / aerosol	
	ntact with the eyes.	5.
	ntact with the eyes and skin.	
	ing equipment: Filter A2 /	
Hand p	rotection	
dh		
.1112	Drotostivo glavas	
	Protective gloves.	
The glov	e material has to be imperme	eable and resistant to the product/ the substance/ the preparation.
		tion to the glove material can be given for the product/ the preparation/ the chemical mixture.
		nsideration of the penetration times, rates of diffusion and the degradation
wateria	I of gloves	loss not only depend on the material, but also on further marks of quality and yories from many fast
		loes not only depend on the material, but also on further marks of quality and varies from manufactu
The sele	facturer. As the product is a r	preparation of several substances. The resistance of the diove material can not be calculated in
The sele to manut	facturer. As the product is a p and has therefore to be che	preparation of several substances, the resistance of the glove material can not be calculated in cked prior to the application.
The sele to manut advance <b>Penetra</b>	and has therefore to be che ation time of glove mate	cked prior to the application.



Safety glasses (EN 166)

(Contd. on page 5) - GB

Printing date 23.01.2023

# Version number 7 (replaces version 6)

Revision: 17.01.2023

(Contd. of page 4)

# Trade name: Special Release Agent

Tightly sealed safety glasses. (EN 166)

9.1 Information         General information         Physical state       Aerosol         Colouris       Colouriess         Odour       Colouriess         Odour threshold:       Not determined         Boiling point or initial boiling rapin and boiling rapin       Not applicable, as sensol         Boiling point or initial boiling rapin and boiling rapin       Not applicable, as sensol         Lower       Not applicable, as sensol         Lower and upper explosion limit       Lower         Lower and upper explosion limit       Not determined.         Lower       Not determined.         Viscosity:       Not determined.         Hitme is non-soluble (in water).       Wiscosity:         Kinematic viscosity:       Not determined.         Viscosity:       Not determined.         Partition coefficient n-octanol/water (log value)       Not determined.         Vapour pressure:       Not determined.         Density and/or relative density       Not determined.         Vapour density       Not determined.         Vapour density       Not determined.         Vapour density       Not determined.         Partition coefficient n-octanol/water (log value)       Not determined.         Partity       Not determined.	SECTION 9: Physical and chemical properties	
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Boiling point or initial boiling point and boiling range       Not applicable, as serosol         I-Rammability       Not applicable, as serosol         Lower and upper explosion limit       Not determined.         Upper:       Not determined.         Upper:       Not determined.         Upper:       Not determined.         PH       Mixture is non-soluble (in water).         Viscosity:       Not determined.         Wiscosity:       Not determined.         Yearning:       Not determined.         Solubility       Not determined.         Vapour pressure:       Not determined.         Vapour pressure:       Not determined.         Vapour pressure:       Not determined.         Pensity and/or relative density       Not determined.         Vapour density       Not determined.         Portaut information on pro	Odour threshold:	Not determined.
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Corrosive to metals Void		
		(Contd. on page 6

according to 1907/2006/EC, Article 31

Printing date 23.01.2023

Version number 7 (replaces version 6)

Revision: 17.01.2023

(Contd. of page 5)

Trade name: Special Release Agent

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:		
67-63-0 Propan-2-ol		
Oral LD50 5,840 mg/kg (Rat)		
Dermal LD50 13,400 mg/kg (Rabbit)		
Hydrocarbon, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatics (2-25%)		
Oral   LD50   >5,000 mg/kg (RAT)		
Dermal LD50 >3,160 mg/kg (Rabbit)		
IC50 4.6-10 (Algae)		
34590-94-8 Dipropylene glycol monomethyl ether		
Oral LD50 5,135 mg/kg (Rat)		
Dermal LD50 9,500 mg/kg (Rat)		
Serious eye damage/irritation Causes serious eye irritation.		
STOT-single exposure May cause drowsiness or dizziness.		
STOT-repeated exposure Causes damage to the central nervous system through prolonged or repeated exposure.		
11.2 Information on other hazards		

Endocrine disrupting properties

None of the ingredients is listed.

# SECTION 12: Ecological information

### 12.1 Toxicity

mg/l (Daphnia magna) ng/l (Daphnia magna) ng/l (FSH) (dynamic) ng/l (Pimephales promelas) ng/l (Algae) ases, liquefied (contains less than 0.1 % w/w 1,3-butadiene (EINECS No 203-450-8)). ng/l (Algae) ((Q)SAR calculation method) ng/l (Daphnia magna) ((Q)SAR calculation method)	
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ng/l (Algae) ((Q)SAR calculation method)	
no/l (Daphnia magna) ((O)SAR calculation_method)	
49.47 mg/l (Fish) ((Q)SAR calulation method)	
n-alkanes, iso-alkanes, cyclic, aromatics (2-25%)	
ı/l (Daphnia magna)	
Daphnia magna) (48 Hr)	
(Pseudokirchneriella subcapitata) (72 Hr)	
ı/l (Oncorhynchus mykiss)	
ng/l (Oncorhynchus mykiss)	
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Printing date 23.01.2023

Version number 7 (replaces version 6)

Revision: 17.01.2023

# Trade name: Special Release Agent

LOEC (21 days)	0 202 mall (Donhais magaz-)	(Contd. of p
•••	0.203 mg/l (Daphnia magna) 0.097 mg/l (Daphnia magna)	
NOEC (21 days) NOELR	1 mg/l (Pseudokirchneriella su	Ibcanitata) (72 Hr)
	opylene glycol monomethyl e	
EC50	1,919 mg/l (Daphnia magna)	
		lo further relevant information available.
12.3 Bioaccu 12.4 Mobility 12.5 Results PBT: Not applic vPvB: Not appli 12.6 Endocri 12.7 Other ac Remark: Harmi Additional ecc General notes Water danger cla Do not allow proc Danger to drinkir Harmful to aquat SECTION 13: 13.1 Waste ti	mulative potential No fur         in soil No further relevant inf         of PBT and vPvB asses         able.         cable.         ne disrupting properties         dverse effects         biological information:         :         ass 3 (German Regulation) (Seli         duct to reach ground water, wat         ag water if even extremely smallic         corganisms         Disposal considerations         reatment methods	ther relevant information available. formation available. <b>sment</b> <b>\$</b> The product does not contain substances with endocrine disrupting properties. f-assessment): extremely hazardous for water. ter bodies or sewage system, even in small quantities.
		according to official regulations.
Recommenda Recommende SECTION 14: 14.1 UN num	ckagings: tion: Disposal must be made a d cleaning agent: Water, if r Transport information ber or ID number	according to official regulations. necessary with cleaning agent.
Recommenda Recommende SECTION 14: 14.1 UN num ADR, IMDG, IA	ckagings: tion: Disposal must be made a d cleaning agent: Water, if r Transport information ber or ID number	according to official regulations.
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Recommenda Recommende SECTION 14: 14.1 UN num ADR, IMDG, IA 14.2 UN prop ADR	ckagings: tion: Disposal must be made a d cleaning agent: Water, if r Transport information ber or ID number	according to official regulations. necessary with cleaning agent. UN1950 1950 AEROSOLS
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Recommenda Recommende SECTION 14: 14.1 UN num ADR, IMDG, IA 14.2 UN prop ADR IMDG IATA 14.3 Transpo ADR	ckagings: tion: Disposal must be made a d cleaning agent: Water, if r Transport information ber or ID number NTA ber shipping name	according to official regulations. necessary with cleaning agent. UN1950 1950 AEROSOLS AEROSOLS AEROSOLS, flammable
Recommenda Recommende SECTION 14: 14.1 UN num ADR, IMDG, IA 14.2 UN prop ADR IMDG IATA 14.3 Transpo ADR Class	ckagings: tion: Disposal must be made a d cleaning agent: Water, if r Transport information ber or ID number NTA ber shipping name	according to official regulations. necessary with cleaning agent. UN1950 UN1950 1950 AEROSOLS AEROSOLS AEROSOLS, flammable 2 5F Gases.
Recommenda Recommende SECTION 14: 14.1 UN num ADR, IMDG, IA 14.2 UN prop ADR IMDG IATA 14.3 Transpo ADR Class Label	ckagings: tion: Disposal must be made a d cleaning agent: Water, if r Transport information ber or ID number NTA ber shipping name	according to official regulations. necessary with cleaning agent. UN1950 UN1950 1950 AEROSOLS AEROSOLS AEROSOLS, flammable 2 5F Gases.
Recommenda Recommenda Recommende SECTION 14: 14.1 UN num ADR, IMDG, IA 14.2 UN prop ADR IMDG IATA 14.3 Transpo ADR Class Label IMDG, IATA	ckagings: tion: Disposal must be made a d cleaning agent: Water, if r Transport information ber or ID number NTA ber shipping name	according to official regulations. necessary with cleaning agent. UN1950 1950 AEROSOLS AEROSOLS AEROSOLS, flammable 2 5F Gases. 2 1
Recommenda Recommenda Recommende SECTION 14: 14.1 UN num ADR, IMDG, IA 14.2 UN prop ADR IMDG IATA 14.3 Transpo ADR Class Label IMDG, IATA Class	ckagings: tion: Disposal must be made a d cleaning agent: Water, if r Transport information ber or ID number ATA per shipping name ort hazard class(es)	according to official regulations. hecessary with cleaning agent. UN1950 UN1950 1950 AEROSOLS AEROSOLS AEROSOLS, flammable 2 5F Gases. 2 1 2.1 Gases.

according to 1907/2006/EC, Article 31

Printing date 23.01.2023

Version number 7 (replaces version 6)

Revision: 17.01.2023

Trade name: Special Release Agent

	(Contd. of page
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user	Warning: Gases.
Kemler Number:	
EMS Number:	F-D,S-U
Stowage Code	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.
14.7 Maritime transport in bulk according	ı to IMO
instruments	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0
	Not permitted as Excepted Quantity
Transport category	2
Tunnel restriction code	D
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (ÉQ)	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

· Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category P3a FLAMMABLE AEROSOLS

- Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

· National regulations

#### · Technical instructions (air):

Class	Share in %
NK	59.0

- Water hazard class: Water danger class 3 (Self-assessment): extremely hazardous for water.
- \* 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

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour. H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H319 Causes serious eye irritation.

(Contd. on page 9)

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# Trade name: Special Release Agent

	(Contd. of page 8)
H336 May cause drowsiness or dizziness.	
H372 Causes damage to organs through prolonged or repeated exposure.	
H411 Toxic to aquatic life with long lasting effects.	
Department issuing data specification sheet: Environment protection department	
Abbreviations and acronyms:	
ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods	
INDS. International Martine Code on Dangerous Goods	
IA A. International All Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals	
Child Cloud in International State of Alexandria and Laborating of Charling and Cha	
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. Gas 1A: Flammable gases – Category 1A	
Aerosol 1: Aerosols – Category 1	
: Aerosols – Category 3	
Press. Gas (Comp.): Gases under pressure – Compressed gas	
Flam. Liq. 2: Flammable liquids – Category 2 Flam. Lig. 3: Flammable liquids – Category 3	
Fiani. Edg. 3. Friantinable injunts – Category 3 Eve Irrit, 2: Serious eve damage/eve irritation – Category 2	
Eye min. 2. Senious eye damagereye initiation – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3	
STOT SE S. Specific larget organ toxicity (intege exposure) – Category 3	
Asp. Tox, 1: Aspiration 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. *	
Data compared to the previous version altered.	GB