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Revision: 17.01.2023

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2023

Version number 70 (replaces version 69)

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

- 1.1 Product identifier
- Trade name: Auto Grease White
- · Article number: 84593
- 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 Grease
- 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



Aerosol 1 H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.



Skin Irrit. 2 H315 Causes skin irritation. 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





· Signal word Danger

· Hazard-determining components of labelling:

Hydrocarbons, C7, n-alkanes isoalkanes, cyclic Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane Propan-2-ol

Hazard statements

H222 Extremely flammable aerosol.

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H229 Pressurised container: May burst if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

· Precautionary 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 mist/vapours/spray. P280 Wear protective gloves / protective clothing. P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

Continue rinsing.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

Buildup of explosive mixtures possible without sufficient ventilation.

- 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 the substances listed below with harmless additions.

CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-32	butane, pure Plam. Gas 1A, H220; Press. Gas (Comp.), H280	_ 25-50%
CAS: 74-98-6 EINECS: 200-827-9	Propane liquefied © Flam. Gas 1A, H220	10-25%
EC number: 927-510-4 Reg.nr.: 01-2119475515-33	Hydrocarbons, C7, n-alkanes isoalkanes, cyclic � Flam. Liq. 2, H225; � Asp. Tox. 1, H304; � Aquatic Chronic 2, H411; � Skin Irrit. 2, H315; STOT SE 3, H336	10-25%
CAS: 75-28-5 EINECS: 200-857-2 Reg.nr.: 01-2119485395-27	Isobutane Flam. Gas 1A, H220; Press. Gas (Comp.), H280	5-10%
EC number: 921-024-6 Reg.nr.: 01-2119475514-35	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane ♦ Flam. Liq. 2, H225; ♦ Asp. Tox. 1, H304; ♦ Aquatic Chronic 2, H411; ♦ Skin Irrit. 2, H315; STOT SE 3, H336	5-10%
CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25	Propan-2-ol ◈ Flam. Liq. 2, H225; ♦ Eye Irrit. 2, H319; STOT SE 3, H336	_ <3%
CAS: 1305-62-0 EINECS: 215-137-3 Reg.nr.: 01-2119475151-45	calcium dihydroxide ♦ Eye Dam. 1, H318; ♦ Skin Irrit. 2, H315; STOT SE 3, H335	- <3%
CAS: 95-38-5 EINECS: 202-414-9 Reg.nr.: 01-2119777867-13	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol ♦ STOT RE 2, H373; ♦ Skin Corr. 1C, H314; Eye Dam. 1, H318; ♦ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ↑ Acute Tox. 4, H302	_ <0.25%

SECTION 4: First aid measures

4.1 Description of first aid measures

- After inhalation In case of unconsciousness bring patient into stable side position for transport.
- · After skin contact If skin irritation continues, consult a doctor.
- · 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.

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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, 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:

Wear full protective suit.

Wear self-contained breathing apparatus.

Put on breathing apparatus.

Additional information

Cool endangered containers with water spray jet.

Collect contaminated fire fighting water separately. It must not enter drains.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Particular danger of slipping on leaked / spilled product.

Keep away from ignition sources

Put on breathing apparatus.

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

Do not allow to enter drainage system, surface or ground water.

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.

Avoid contact with the eyes and skin.

Information about protection against explosions and fires:

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

Do not spray on flames or red-hot objects.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers:

Store in cool location.

Observe official regulations on storing packagings with pressurised containers.

· Information about storage in one common storage facility: Not required.

Further information about storage conditions:

Store in cool, dry conditions in well sealed containers.

Protect from heat and direct sunlight.

Storage class 2 B

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

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with limit values that require monitoring at the workplace:

106-97-8 butane, pure

WEL 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)

67-63-0 Propan-2-ol

WEL | Short-term value: 1250 mg/m³, 500 ppm Long-term value: 999 mg/m³, 400 ppm

· Regulatory information WEL: EH40/2020

n	N	FI	c

Hydrocarbons,	C7,	n-alkanes	isoalkanes,	cyclic
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Oral			149 mg/kg bw/day (Consumer)
Derr	nal	Long term systemic effect	149 mg/kg/day (Consumer)
			300 mg/kg/day (Worker)
Inha	lative	Long term systemic effect	
			2,085 mg/m3 (Worker)

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Orai	Long term systemic effect	699 mg/kg bw/day (Consumer)
Dermal		699 mg/kg bw/day (Consumer)
		773 mg/kg bw/day (Worker)
Inhalative	Long term systemic effect	
		2,035 mg/m3 (Worker)

67-63-0 Propan-2-ol

Oral	Long term systemic effect	26 mg/kg/day (Consumer)
Dermal		319 mg/kg/day (Consumer)
		888 mg/kg bw/day (Worker)
Inhalative	Long term systemic effect	
		500 mg/m3 (Worker)

PNECs

67-63-0 Propan-2-ol

PNEC 140.9 mg/l (Aqua (freshwater))

140.9 mg/l (Aqua (intermittent))

140.9 mg/l (Aqua (marine water))

552 mg/kg (Freshwater sediment)

552 mg/kg (Marine water sediment)

2,251 mg/l (Sewage treatment plant) (Assessment factor 1)

28 mg/kg (Soil)

· 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

Do not eat, drink or smoke while working.

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

· Breathing equipment:

Only during spraying without adequate removal by suction.

Filter AX (EN 14387)

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· Hand protection



Protective gloves.

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

Material of gloves

Wear suitable gloves tested to EN 374

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.5 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.

Not applicable, as aerosol

Not applicable.

Penetration time of glove material

Value for the permeation: Level 6 > 480 minutes

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye/face protection



Safety glasses (EN 166)

Tightly sealed safety glasses. (EN 166)

Body protection: Protective work clothing (EN-13034/6)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

· General Information

Physical state
Colour:
Odour:
Odour threshold:
Melting point/freezing point:

Aerosol
White
Characteristic
Not determined
Not determined

Boiling point or initial boiling point and boiling range

Flammability

· Lower and upper explosion limit

Lower: 0.6 Vol % 12.0 Vol %

· Flash point: Not applicable, as aerosol

Decomposition temperature: Not determined.

• **pH** Mixture is non-soluble (in water).

Viscosity:

· Kinematic viscosity
· dynamic:

Not determined.

Not determined.

Solubility

· Water: Not miscible / difficult to mix

Partition coefficient n-octanol/water (log value)
 Vapour pressure at 20 °C:
 Not determined.
 4500 hPa

Density and/or relative density

Density at 20 °C
 Relative density
 Vapour density
 O.645 g/cm³
 Not determined.
 Not determined.

9.2 Other information

· Appearance:

· Form: Aerosol

Important information on protection of health and

environment, and on safety.

Self-inflammability: Product is not selfigniting.

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Explosive properties:	Not determined.
Solvent content:	
Organic solvents:	530 g/l VOC
Change in condition	
Evaporation rate	Not applicable.
Information with regard to physical hazard clas	sses
Explosives	Void
Flammable gases	Void
Aerosols	Extremely flammable aerosol. Pressurised container: May burst if heated.
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammab	le 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: 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

Acute to	XICITY Dase	d on available data, the classification criteria are not met.
· LD/LC50	values tha	at are relevant for classification:
106-97-8 k	butane, pure	}
Inhalative	LC50 (4 hr)	658 mg/l (Rat)
	ErC 50	19.37 mg/l (Algae) (96 hr)
74-98-6 Pi	ropane lique	fied
	ErC 50	19.37 mg/l (Algae) (96 hr)
Hydrocari	bons, C7, n-	alkanes isoalkanes, cyclic
Inhalative	LC50 (4 hr)	>23 mg/l (Rat)
	IC50	<10 (Algae)
75-28-5 Is	obutane	
	ErC 50	19.37 mg/l (Algae)
Hydrocari	bons, C6-C7	, n-alkanes, isoalkanes, cyclics, <5% n-hexane
Oral	LD50	>5,840 mg/kg (Rat)
Dermal	LD50	>2,920 mg/kg (Rabbit)
Inhalative	LC50 (4 hr)	>25.2 mg/l (Rat)
67-63-0 Pi	ropan-2-ol	
Oral	LD50	5,840 mg/kg (Rat)
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Dermal	LD50	13,400 mg/kg (Rabbit)
1305-62-0) calcium dil	hydroxide
Oral	LD50	7,340 mg/kg (Rat)

- Skin corrosion/irritation Causes skin irritation.
- · Serious eye damage/irritation Causes serious eye irritation.
- · STOT-single exposure May cause drowsiness or dizziness.
- 11.2 Information on other hazards
- Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

12.1 Toxicity	
· Aquatic toxici	ty:
106-97-8 butane	, pure
EC50 (48 hr)	69.43 mg/l (Daphnia magna)
LC50 (96 hr)	49.9 mg/l (Fish)
74-98-6 Propane	e liquefied
EC50 (48 hr)	69.43 mg/l (Daphnia magna)
LC50 (96 hr)	49.9 mg/l (Fish)
Hydrocarbons,	C7, n-alkanes isoalkanes, cyclic
EC50 (48 hr)	3 mg/l (Daphnia magna)
LC50 (96 hr)	<10 mg/l (Fish)
	>13.4 mg/l (Oncorhynchus mykiss)
NOEC	1.53 mg/l (Oncorhynchus mykiss) (28 days)
NOEC (21 days)	1 mg/l (Daphnia magna)
75-28-5 Isobutai	1e
EC50 (48 hr)	69.43 mg/l (Daphnia magna)
LC50 (96 hr) 91.42 mg/l (Fish)	
Hydrocarbons,	C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane
EL50 (48 hr)	3 mg/l (Daphnia magna)
EL50 (72 hr)	30-100 mg/l (Pseudokirchneriella subcapitata)
LL50	11.4 mg/l (Oncorhynchus mykiss) (96 hr)
, ,	0.32 mg/l (Daphnia magna)
NOEC (21 days)	0.17 mg/l (Daphnia magna)
NOELR	3 mg/l (Pseudokirchneriella subcapitata) (72 hr)
67-63-0 Propan-	2-ol
EC50 (48 hr)	13,299 mg/l (Daphnia magna)
LC50 (24 hr)	9,714 mg/l (Daphnia magna)
LC50 (96 hr)	4,200 mg/l (FSH) (dynamic)
	9,640 mg/l (Pimephales promelas)
LOEC (8 days)	1,000 mg/l (Algae)
1305-62-0 calciu	ım dihydroxide
EC50	59.1 mg/l (Daphnia magna)
EC50 (72 hr)	184.57 mg/l (Algae)
LC50 (96 hr)	50.6 mg/l (Fish)

- 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 The product does not contain substances with endocrine disrupting properties.
- 12.7 Other adverse effects
- · Remark: Harmful to fish

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- · 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.

Harmful to aquatic organisms

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: Disposal must be made according to official regulations.

14.1 UN number or ID number	
ADR, IMDG, IATA	UN1950
14.2 UN proper shipping name	
ADR	1950 AEROSOLS
IMDG	AEROSOLS
IATA	AEROSOLS, flammable
14.3 Transport hazard class(es)	
ADR	
Class	2 5F Gases.
Label	2.1
IMDG, IATA	
Class	2.1 Gases.
Label	2.1
14.4 Packing group	
ADR, IMDG, ĬAŤA	Void
14.5 Environmental hazards:	
Marine pollutant:	No
<u> </u>	No
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.

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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	na to IMO
instruments	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	1L
Excepted quantities (ÉQ)	Code: E0
	Not permitted as Excepted Quantity
Transport category	2
Tunnel restriction code	D
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	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	43.5

- · 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

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.

H280 Contains gas under pressure; may explode if heated.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

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.

H411 Toxic to aquatic life with long lasting effects.

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Department issuing data specification sheet: Environment protection department Abbreviations and acronyms:

RID: (Regulations Concerning the International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organisation
ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association

IATIA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH) LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic

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
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1C: Skin corrosion/irritation – Category 1C
Skin Irrit. 2: Skin corrosion/irritation – Category 1
Eve Dam. 1: Serious eve damage/eve irritation – Category 1

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 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. *

GB