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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 9 (replaces version 8)

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

- 1.1 Product identifier
- Trade name: Spray Guide
- · Article number: 84120
- 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 Paint
- 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.



Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

- 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

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

Acetone

Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P261 Avoid breathing dust/fumes/gas/mist/vapours/spray.

P280 Wear protective gloves / eye protection.

P305+P351+P338 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°C/122°F.

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

### Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

Contains reaction mass of  $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -hydroxyphenyl) and  $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyl- $\omega$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyloxypoly(oxyethylene), reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl)

piperidyl sebacate. May produce an allergic reaction.

## 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: 67-64-1	Acetone	50-75%
EINECS: 200-662-2 Reg.nr.: 01-2119471330-49	♦ Flam. Liq. 2, H225; ♦ Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	-
CAS: 78-93-3 EINECS: 201-159-0 Reg.nr.: 01-2119457290-43	Butanone Flam. Liq. 2, H225;  Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	<5%
CAS: 108-10-1 EINECS: 203-550-1 Reg.nr.: 01-2119473980-30	4-methylpentan-2-one ♦ Flam. Liq. 2, H225; ♦ Carc. 2, H351; ♦ Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	<1%
CAS: 108-88-3 EINECS: 203-625-9 Reg.nr.: 01-2119471310-51	Toluene <b>♦</b> Flam. Liq. 2, H225; <b>♦</b> Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; <b>♦</b> Skin Irrit. 2, H315; STOT SE 3, H336	<0.25%
CAS: 104810-48-2 ELINCS: 400-830-7 Reg.nr.: 01-0000015075-76	reaction mass of α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)  Δ Aquatic Chronic 2, H411; Δ Skin Sens. 1A, H317	<0.1%
CAS: 1065336-91-5 EC number: 915-687-0 Reg.nr.: 01-2119491304-40	reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate  Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1A, H317	<0.1%

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

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

· 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

Rinse out mouth.

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.

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### **SECTION 5: Firefighting measures**

## 5.1 Extinguishing media

## · Suitable extinguishing agents

Use fire fighting measures that suit the environment.

CO2, extinguishing powder or water haze. Fight larger fires with water haze or alcohol-resistant foam.

- · For safety reasons unsuitable extinguishing agents Water with a full water jet.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- · Protective equipment: Do not inhale explosion gases or combustion gases.

## SECTION 6: Accidental release measures

## 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

- 6.2 Environmental precautions: Do not allow product to reach sewage system or water bodies.
- 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.
- 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: Protect from heat and direct sunlight.
- · Storage class 2 B
- 7.3 Specific end use(s) No further relevant information available.

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

#### · 8.1 Control parameters

## Components with limit values that require monitoring at the workplace:

## 67-64-1 Acetone

WEL | Short-term value: 3620 mg/m³, 1500 ppm Long-term value: 1210 mg/m³, 500 ppm

#### 78-93-3 Butanone

WEL Short-term value: 899 mg/m³, 300 ppm Long-term value: 600 mg/m³, 200 ppm Sk. BMGV

## 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

## 108-88-3 Toluene

WEL Short-term value: 384 mg/m³, 100 ppm Long-term value: 191 mg/m³, 50 ppm Sk

Regulatory information WEL: EH40/2020

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DNELs		(Contd. of p
67-64-1 A	cotono	
		186 mg/kg bw/day (Worker)
	Long term systemic effect	
	Acute local effect	2,420 mg/m3 (Worker)
78-93-3 Bu		2,720 mg/m3 (VVOINGI)
		1,161 mg/kg bw/dy (Worker)
	Long term systemic effect	
	I-methylpentan-2-one	out ing/ins (worker)
	Long term systemic effect	11.8 ma/ka/day (Marker)
	Long term systemic effect	
	Acute local effect	208 mg/m³ (Worker)
	Long term local effect	83 mg/m³ (Worker)
	•	
	Acute systemic effect	208 mg/m³ (Worker)
	ethylbenzene	400
	-	
	Acute local effect	293 mg/m³ (Worker)
	Long term local effect	77 mg/m³ (Worker)
108-88-3 T		29.4 mg//g hu//day//M/gy/gy)
		384 mg/kg bw/day (Worker)
	Long term systemic effect	
	Acute local effect	384 mg/m3 (Worker)
	Long term local effect	192 mg/m3 (Worker)
	Acute systemic effect	384 mg/m3 (Worker)
1330-20-7	•	
	Long term local effect	3,182 mg/kg/day (Worker)
	Acute local effect	442 mg/m3 (Worker)
	Long term local effect	221 mg/m3 (Worker)
<b>PNECs</b>		
67-64-1 Ac	cetone	
PNEC 10.	6 mg/l (Aqua (freshwater))	
21	mg/l (Aqua (intermittent))	
1.0	06 mg/l (Aqua (marine wate	r))
30.	4 mg/kg (Freshwater sedin	nent)
3.0	4 mg/kg (Marine water sed	liment)
29.	5 mg/kg (Soil)	
	l-methylpentan-2-one	
PNEC 0.6	mg/l (Aqua (freshwater))	
	06 mg/l (Aqua (marine wate	r))
8.2	7 mg/kg (Freshwater sedin	nent)
0.83 mg/kg (Marine water sediment)		iment)
	5 mg/l (Sewage treatment	
	mg/kg (Soil)	
	ethylbenzene	
	mg/l (Aqua (freshwater))	
	.1 mg/l (Aqua (intermittent))	
	mg/l (Aqua (marine water)	
108-88-3 7		,
	8 mg/l (Freshwater sedime	nt)
	68 mg/l (Marine water sedin	,
	61 mg/l (Sewage treatment	
	89 mg/kg (Soil)	, F
1330-20-7		
	27 mg/l (Aqua (freshwater)	]
10.3	327 mg/l (Aqua (marine wat	er))

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12.46 mg/l (Freshwater sediment)

12.46 mg/l (Marine water sediment) 6.58 mg/l (Sewage treatment plant)

2.31 mg/kg (Soil)

## · Ingredients with biological limit values:

### 78-93-3 Butanone

BMGV | 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

· 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

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

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

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

#### Breathing equipment:

Only during spraying without adequate removal by suction.

Filter AX (EN 14387)

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:  $\geq$  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.

#### Penetration time of glove material

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

Value for the permeation: Level 6 > 480 minutes

Eye/face protection



Tightly sealed safety glasses. (EN 166)

## SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
- · General Information
- · Physical state · Colour:

Odour:
Odour threshold:

Aerosol Black Acetone-like

Not determined.

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Melting point/freezing point: Not determined · Boiling point or initial boiling point and boiling range Not applicable, as aerosol · Flammability Not applicable. · Lower and upper explosion limit · Lower: Not determined. · Upper: Not determined. · Flash point: Not applicable, as aerosol Decomposition temperature: Not determined. Mixture is non-soluble (in water). · Viscosity: Kinematic viscosity Not determined. · dynamic: Not determined. Solubility · Water: Not miscible / difficult to mix · Partition coefficient n-octanol/water (log value) Not determined. · Vapour pressure: Not determined. · Density and/or relative density Density at 20 °C 0.705 g/cm3 Relative density Not determined · Vapour density 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. • Explosive properties: Not determined. Solvent content: 673 g/I VOC · Organic solvents: Change in condition · Evaporation rate Not applicable. · Information with regard to physical hazard classes · Explosives Void

· Explosives Void · Flammable gases Void

· Aerosols Extremely flammable aerosol. Pressurised container: May burst if

heated. Void

Oxidising gases
Void
Gases under pressure
Void
Flammable liquids
Flammable solids
Void
Self-reactive substances and mixtures
Void

Pyrophoric liquids
Pyrophoric solids
Self-heating substances and mixtures
Void
Void
Substances and mixtures
Void
Void

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.

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- · 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	LD/LC50 values that are relevant for classification:		
67-64-1 A	cetone		
Oral	LD50	5,800 mg/kg (Rat)	
Dermal	LD50	20,000 mg/kg (Rabbit)	
78-93-3 B	utanone		
Oral	LD50	3,300 mg/kg (Rat)	
Dermal	LD50	5,000 mg/kg (Rabbit)	
108-10-1 4	I-methylpen	tan-2-one	
Oral	LD50	2,100 mg/kg (Rat)	
Dermal	LD50	16,000 mg/kg (Rabbit)	
100-41-4	ethylbenzen	e	
Oral	LD50	3,500 mg/kg (Rat)	
Dermal	LD50	5,000 mg/kg (Rabbit)	
108-88-3	Toluene		
Oral	LD50	5,000 mg/kg (Rat)	
Dermal	LD50	12,124 mg/kg (Rabbit)	
Inhalative	LC50 (4 hr)	49 mg/l (Mouse)	
1330-20-7	xylene		
Oral	LD50	4,300 mg/kg (Rat)	
Dermal	LD50	2,000 mg/kg (Rabbit)	

- 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

78-93-3 Butanone

List II

## SECTION 12: Ecological information

## 12.1 Toxicity

1211 TOXION	12.1 Toxiony		
· Aquatic toxic	city:		
67-64-1 Acetor	ne		
EC50	61,150 mg/l (Activated sludge) (30 mins)		
EC50 (48 hr)	39 mg/l (Daphnia magna)		
LC50 (96 hr)	8,300 mg/l (Fish)		
	5,540 mg/l (Oncorhynchus mykiss)		
NOEC (28 days	s) 2,212 mg/l (Daphnia magna)		
78-93-3 Butan	one		
EC50 (48 hr)	308 mg/l (Daphnia magna)		
LC50 (96 hr)	2,993 mg/l (Pimephales promelas)		
108-10-1 4-me	thylpentan-2-one		
EC50 (48 hr)	>200 mg/l (Crustacea)		
LC50 (96 hr)	>179 mg/l (Fish)		
100-41-4 ethyl	benzene		
EC50	>100 mg/l (Daphnia magna)		
LC50 (96 hr)	>10 mg/l (Fish)		
108-88-3 Tolue	ene		
EC50 (24 hr)	84 mg/l (Activated sludge)		
EC50 (48 hr)	3.78 mg/l (Daphnia magna)		
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EC50 (72 hr)	10 mg/l (Algae)
LC50 (96 hr)	5.5 mg/l (Fish)
NOEC (7 days)	0.74 mg/l (Daphnia magna)
1330-20-7 xylen	e
CE50	10 mg/l (Fish) (72h)
EC50 (48 hr)	7.4 mg/l (Daphnia magna)
LC50 (96 hr)	3.77-13.5 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 For information on endocrine disrupting properties see section 11.
- 12.7 Other adverse effects
- Additional ecological information:
- General notes:

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

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

## 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.

,,	JN1950
14.2 UN proper shipping name	
: : : : : : : : : : : : : : : : : :	950 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, IATA Void

14.5 Environmental hazards: Not applicable.

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· Segregation Code

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• 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.

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 to IMO

instruments Not applicable.

· Transport/Additional information:

· ADR

· Limited quantities (LQ) 1L

Excepted quantities (EQ) Code: E0

Not permitted as Excepted Quantity
2

Transport category 2
Tunnel restriction code D

· IMDG

· Limited quantities (LQ)

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 P3b FLAMMABLE AEROSOLS
- · 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
- · Technical instructions (air):

Class	Share in %
NK	59.3

- · 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

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

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Data compared to the previous version altered. \*

(Contd. of page 9) Suspected of damaging the unborn child. 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. EUH066 Repeated exposure may cause skin dryness or cracking. · 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 INDEX: 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) PNEC: Predicted No-Effect Concentration (UK RE LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Aerosol 1: Aerosols – Category 1: Aerosols – Category 3: Flam. Liq. 2: Flammable liquids – Category 2 Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eve Irrit. 2: Serious eve damage/eve irritation – Category 2 Eye Irrit. 2: Serious eye damage/eye irritation – ( Skin Sens. 1A: Skin sensitisation – Category 1A – Category 2 Carc. 2: Carcinogenicity – Category 2 Repr. 2: Reproductive toxicity – 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

GB