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# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.08.2019 Version number 49 Revision: 02.08.2019

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

- 1.1 Product identifier
- Trade name: All Purpose Foam Cleaner
- · Article number: 60071
- · 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 Surface cleanser
- 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



GHS02 flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.

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 CLP regulation.
- · Hazard pictograms





GHS02

GHS07

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

(R)-p-mentha-1,8-diene

Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

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.

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

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P251 Do not pierce or burn, even after use.
P260 Do not breathe mist/vapours/spray.
P280 Wear protective gloves / eye protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

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.

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

#### · 2.3 Other hazards

- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable. · **vPvB:** Not applicable.

## **SECTION 3: Composition/information on ingredients**

## 3.2 Chemical characterisation: Mixtures

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

s:	
Propan-2-ol <b>♦</b> Flam. Liq. 2, H225; <b>♦</b> Eye Irrit. 2, H319; STOT SE 3, H336	<5%
Butane (containing < 0.1 % butadiene (203-450-8))  Flam. Gas 1, H220; Press. Gas C, H280	<5%
2-butoxyethanol  Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	<5%
Propane liquefied  Flam. Gas 1, H220	<3%
(R)-p-mentha-1,8-diene  Flam. Liq. 3, H226; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1, H317	<3%
	Propan-2-ol  Flam. Liq. 2, H225; Depending STOT SE 3, H336  Butane (containing < 0.1 % butadiene (203-450-8))  Flam. Gas 1, H220; Press. Gas C, H280  2-butoxyethanol  Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319  Propane liquefied  Flam. Gas 1, H220  (R)-p-mentha-1,8-diene  Flam. Liq. 3, H226; Acute Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin

Anionic surfactants <5%	Aliphatic hydrocarbons	≥5 - <15%
	Anionic surfactants	<5%

<sup>·</sup> 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.

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 Do not induce vomiting; instantly call for medical help.
- 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.

## **SECTION 5: Firefighting measures**

## 5.1 Extinguishing media

Suitable extinguishing agents

Water haze Carbon dioxide

Alcohol-resistant foam

Fire-extinguishing powder

- · For safety reasons unsuitable extinguishing agents Water jet.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.

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## 5.3 Advice for firefighters

#### Protective equipment:

Do not inhale explosion gases or combustion gases.

Put on breathing apparatus.

Wear full protective suit.

## 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

Wear protective equipment. Keep unprotected persons away.

Keep away from ignition sources

## 6.2 Environmental precautions:

Prevent material from reaching sewage system, holes and cellars.

Inform respective authorities in case product reaches water or sewage system.

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

## · 6.3 Methods and material for containment and cleaning up:

Ensure adequate ventilation.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to item 13.

#### · 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.

Keep away from heat and direct sunlight.

## · Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

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.

## · 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.

Store container in a well ventilated position.

- · 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 systems: No further data; see item 7.
- · 8.1 Control parameters

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

## 67-63-0 Propan-2-ol

WEL Short-term value: 1250 mg/m³, 500 ppm

Long-term value: 999 mg/m³, 400 ppm

#### 106-97-8 Butane (containing < 0.1 % butadiene (203-450-8))

WEL Short-term value: 1810 mg/m³, 750 ppm Long-term value: 1450 mg/m³, 600 ppm

Long-term value: 1450 mg/m³, 600 ppm Carc (if more than 0.1% of buta-1.3-diene)

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	111-76-2 2	2-butoxyethanol		
	WEL   Short-term value: 246 mg/m³, 50 ppm Long-term value: 123 mg/m³, 25 ppm   Sk, BMGV			
Ī	DNELs			
Ī	67-63-0 Propan-2-ol			
Ī	Dermal	Long term systemic effect	888 mg/kg bw/day (Worker)	
	Inhalative	Long term systemic effect	500 mg/m3 (Worker)	
Ī	111-76-2 2-butoxyethanol			
Ī	Dermal	Acute systemic effect	89 mg/kg bw/day (Worker)	
		Long term systemic effect	75 mg/kg (Worker)	
	Inhalative	Long term systemic effect	98 mg/m3 (Worker)	
		Acute local effect	246 mg/m3 (Worker)	
		Acute systemic effect	663 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)

#### 5989-27-5 (R)-p-mentha-1,8-diene

PNEC 1.32 mg/kg (Freshwater sediment) (short term)

0.13 mg/kg (Marine water sediment) (short term)

1.8 mg/l (Sewage treatment plant) (short term)

0.262 mg/kg (Soil) (short term)

## Ingredients with biological limit values:

## 111-76-2 2-butoxyethanol

BMGV 240 mmol/mol creatinine

Medium: urine Sampling time: post shift

Parameter: butoxyacetic acid

· Additional information: The lists that were valid during the compilation were used as basis.

## 8.2 Exposure controls

## · Personal protective equipment

## General protective and hygienic measures

Avoid close or long term contact with the skin.

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. Avoid contact with the eyes and skin.

#### Breathing equipment:

Only during spraying without adequate removal by suction. Filter AX (EN 14387)

### Protection of hands:



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

Nitrile rubber, NBR

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.

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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 protection: Not required.
- · Body protection: Protective work clothing. (EN-13034/6)

Aerosol Whitish Fruit-like Not determined.
Whitish Fruit-like
Whitish Fruit-like
Fruit-like
Not determined.
Not determined
<b>ge:</b> 0 °C
-60 °C
365 °C
Product is not selfigniting.
Product is not explosive. However, formation of explosive air/steam mixtures is possible.
0.7 Vol %
12.0 Vol %
23 hPa
0.911 g/cm³
Fully miscible
208 q/l VOC
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/LC5	· LD/LC50 values that are relevant for classification:			
67-63-0 F	67-63-0 Propan-2-ol			
Oral	LD50	4,570 mg/kg (Rat)		
Dermal	LD50	13,400 mg/kg (Rabbit)		
106-97-8	106-97-8 Butane (containing < 0.1 % butadiene (203-450-8))			
Inhalative	Inhalative LC50 (4 hr) 658 mg/l (Rat)			
	•			

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111-76-2 2-butoxyethanol		
LD50	1,480 mg/kg (Rat)	
LD50	400 mg/kg (Rabbit)	
LC50 (4 hr)	2.17 mg/l (Rat)	
5989-27-5 (R)-p-mentha-1,8-diene		
LD50	4,400 mg/kg (Rat)	
	LD50 LD50 LC50 (4 hr) (R)-p-menti	

- Primary irritant effect:
- · Skin corrosion/irritation Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation
- Causes serious eye irritation.
- · Respiratory or skin sensitisation
- May cause an allergic skin reaction.
- · 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.
- · STOT-single exposure Based on available data, the classification criteria are not met.
- · 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

<b>y</b>			
· Aquatic toxicity:			
67-63-0 Propa	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)		
, ,	1,000 mg/l (Algae)		
111-76-2 2-butoxyethanol			
EC50 (72 hr)	1,840 mg/l (Algae) (OECD 201)		
LC50 (24 hr)	1,815 mg/l (Daphnia magna) (DIN 38412 / part 11)		
LC50	LC50 297 ug/l (Daphnia magna) (21 days OECD 211)		
LC50 (48 hr)	1.55 mg/l (Daphnia magna)		
LC50 (72 hr)	1,840 mg/l (Algae) (OECD 201)		
	1.84 mg/l (Pseudokirchneriella subcapitata)		
LC50 (96 hr)	1,490 mg/l (Lepomis macrochirus)		
	1,474 mg/l (Oncorhynchus mykiss) (OECD 203)		
5989-27-5 (R)-	p-mentha-1,8-diene		
LC50 (96 hr)	0.72 mg/l (Pimephales promelas)		
40.0 Dawaia	topog and dogwadability visit and a sixty of the sixty		

- · 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 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

- · 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.
- · 12.6 Other adverse effects No further relevant information available.

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## 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.

European waste catalogue		
07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES	
07 01 00	wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals	
07 01 04*	other organic solvents, washing liquids and mother liquors	
15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	
15 01 00	packaging (including separately collected municipal packaging waste)	
15 01 10*	packaging containing residues of or contaminated by hazardous substances	
HP3	Flammable	
HP14	Ecotoxic	

- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.
- Recommended cleaning agent: Water, if necessary with cleaning agent.

14.1 UN-Number	
· ADR, IMDG, IATA	UN1950

· 14.2 UN proper shipping name

· ADR 1950 AEROSOLS · IMDG **AEROSOLS**  $\cdot$  IATA AEROSOLS, flammable

· 14.3 Transport hazard class(es)

· ADR



· Class 2 5F Gases. · Label 2.1

· IMDG, IATA



· Class 2.1 · Label 2.1

· 14.4 Packing group

· Segregation Code

· ADR, IMDG, IATA Void

· 14.5 Environmental hazards:

· Marine pollutant: 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.

SG69 For AEROSOLS with a maximum capacity of 1 litre:

Segregation as for class 9. Stow "separated from" class 1 except for division

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	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 Transport in bulk according to A	Annex II of	
Marpol and the IBC Code	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 (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
- · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- · National regulations
- · Technical instructions (air):

Class	Share in %
II.	3.0
III	7.5

- · 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.

H226 Flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

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.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

## · Department issuing data specification sheet: Environment protection department.

· 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) ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

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IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals

GHS. Globally Harmonised System to Classification and Labelling of Criefinical 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 (REACH)

PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Gas 1: Flammable gases — Category 1
Aerosol 1: Aerosols — Category 1
Press. Gas C: Gases under pressure — Compressed gas
Flam. Liq. 2: Flammable liquids — Category 2
Flam. Liq. 3: Flammable liquids — Category 3
Acute Tox. 4: Acute toxicity — Category 4
Skin Irrit. 2: Skin corrosion/irritation — Category 2
Eye Irrit. 2: Serious eye damage/eye irritation — Category 2
Skin Sens. 1: Skin sensitisation — Category 1
STOT SE 3: Specific target organ toxicity (single exposure) — Category 3
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic ha

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. \*