

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 07.04.2021

Version number 60

Revision: 07.04.2021

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



flame

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



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.

(Contd. on page 2)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.04.2021

Version number 60

Revision: 07.04.2021

Trade name: All Purpose Foam Cleaner

(Contd. of page 1)

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 / 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/122°F.
 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.

Dangerous components:

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	<5%
CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-32	butane, pure ⚠ Flam. Gas 1A, H220; Press. Gas (Comp.), H280	<5%
CAS: 111-76-2 EINECS: 203-905-0 Reg.nr.: 01-2119475108-36	2-butoxyethanol ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	<5%
CAS: 74-98-6 EINECS: 200-827-9	Propane liquefied ⚠ Flam. Gas 1A, H220	<3%
CAS: 5989-27-5 EINECS: 227-813-5 Reg.nr.: 01-2119529223-47	(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%

Regulation (EC) No 648/2004 on detergents / Labelling for contents

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

- 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 and call for doctor for safety reasons.
 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.**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

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.04.2021

Version number 60

Revision: 07.04.2021

Trade name: All Purpose Foam Cleaner

(Contd. of page 2)

Use fire fighting measures that suit the environment.

· **For safety reasons unsuitable extinguishing agents** Water jet.

· **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:**

Do not inhale explosion gases or combustion gases.

Wear full protective suit.

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**

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.

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

· **8.1 Control parameters**

· **Additional information about design of technical systems:** No further data; see item 7.

· **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

(Contd. on page 4)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.04.2021

Version number 60

Revision: 07.04.2021

Trade name: All Purpose Foam Cleaner

(Contd. of page 3)

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)

111-76-2 2-butoxyethanol

WEL Short-term value: 246 mg/m³, 50 ppm
 Long-term value: 123 mg/m³, 25 ppm
 Sk, BMGV

· **Regulatory information** WEL: EH40/2020· **DNELs****67-63-0 Propan-2-ol**

Dermal	Long term systemic effect	888 mg/kg bw/day (Worker)
Inhalative	Long term systemic effect	500 mg/m ³ (Worker)

111-76-2 2-butoxyethanol

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/m ³ (Worker)
		Acute local effect	246 mg/m ³ (Worker)
	Acute systemic effect	663 mg/m ³ (Worker)	

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

Dermal	Acute local effect	0.222 mg/cm ² (Worker)
Inhalative	Long term systemic effect	33.3 mg/m ³ (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)
 2251 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)

(Contd. on page 5)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.04.2021

Version number 60

Revision: 07.04.2021

Trade name: All Purpose Foam Cleaner

(Contd. of page 4)

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.

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:

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****Appearance:**

Form:	Aerosol
Colour:	Whitish
Odour:	Fruit-like

pH-value at 20 °C: 10

Change in condition

Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Not applicable, as aerosol

Flash point: Not applicable, as aerosol

Ignition temperature: 365 °C

Self-inflammability: Product is not selfigniting.

Explosive properties: Product is not explosive. However, formation of explosive air/steam mixtures is possible.

Critical values for explosion:

Lower:	0.7 Vol %
Upper:	12 Vol %

Vapour pressure at 20 °C: 23 hPa

Density at 20 °C 0.911 g/cm³

Solubility in / Miscibility with

Water: Fully miscible

Viscosity:

dynamic:	Not determined.
kinematic:	Not determined.

Solvent content:

Organic solvents: 12.5 %

(Contd. on page 6)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.04.2021

Version number 60

Revision: 07.04.2021

Trade name: All Purpose Foam Cleaner

(Contd. of page 5)

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 that are relevant for classification:**67-63-0 Propan-2-ol**

Oral	LD50	4570 mg/kg (Rat)
Dermal	LD50	13400 mg/kg (Rabbit)

106-97-8 butane, pure

Inhalative	LC50 (4 hr)	658 mg/l (Rat)
	ErC 50	19.37 mg/l (Algae) (96 hr)

111-76-2 2-butoxyethanol

Oral	LD50	1480 mg/kg (Rat)
Dermal	LD50	400 mg/kg (Rabbit)
Inhalative	LC50 (4 hr)	2.17 mg/l (Rat)

74-98-6 Propane liquefied

	ErC 50	19.37 mg/l (Algae) (96 hr)
--	--------	----------------------------

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

Oral	LD50	4400 mg/kg (Rat)
------	------	------------------

- **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.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, 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****Aquatic toxicity:****67-63-0 Propan-2-ol**

EC50 (48 hr)	13299 mg/l (Daphnia magna)
LC50 (24 hr)	9714 mg/l (Daphnia magna)
LC50 (96 hr)	4200 mg/l (FSH) (dynamic)
	9640 mg/l (Pimephales promelas)

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.04.2021

Version number 60

Revision: 07.04.2021

Trade name: All Purpose Foam Cleaner

(Contd. of page 6)

LOEC (8 days)	1000 mg/l (Algae)
106-97-8 butane, pure	
EC50 (48 hr)	69.43 mg/l (Daphnia magna)
LC50 (96 hr)	49.9 mg/l (Fish)
111-76-2 2-butoxyethanol	
EC50 (72 hr)	1840 mg/l (Algae) (OECD 201)
LC50 (24 hr)	1815 mg/l (Daphnia magna) (DIN 38412 / part 11)
LC50	297 µg/l (Daphnia magna) (21 days OECD 211)
LC50 (48 hr)	1.55 mg/l (Daphnia magna)
LC50 (72 hr)	1840 mg/l (Algae) (OECD 201)
	1.84 mg/l (Pseudokirchneriella subcapitata)
LC50 (96 hr)	1490 mg/l (Lepomis macrochirus)
	1474 mg/l (Oncorhynchus mykiss) (OECD 203)
74-98-6 Propane liquefied	
EC50 (48 hr)	69.43 mg/l (Daphnia magna)
LC50 (96 hr)	49.9 mg/l (Fish)
5989-27-5 (R)-p-mentha-1,8-diene	
LC50 (96 hr)	0.72 mg/l (Pimephales promelas)
110-91-8 morpholine	
EC50	75.44 mg/l (Soil) (24hr)
	28 mg/l (Algae) (96hr)
EC50 (48 hr)	45 mg/l (Daphnia magna)
LC50 (96 hr)	179 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.

· **Ecotoxicological 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.

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.

· **Recommended cleaning agent:** Water, if necessary with cleaning agent.

SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR, IMDG, IATA** UN1950

· **14.2 UN proper shipping name**

· **ADR** 1950 AEROSOLS

· **IMDG** AEROSOLS

· **IATA** AEROSOLS, flammable

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.04.2021

Version number 60

Revision: 07.04.2021

Trade name: All Purpose Foam Cleaner

(Contd. of page 7)

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

· ADR, IMDG, IATA Void

14.5 Environmental hazards:

· Marine pollutant: No
No

14.6 Special precautions for user

· 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 Transport in bulk according to 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.

(Contd. on page 9)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.04.2021

Version number 60

Revision: 07.04.2021

Trade name: All Purpose Foam Cleaner

(Contd. of page 8)

- **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	12.5

- **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 relatif au transport international des marchandises dangereuses par route (European Agreement Concerning 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)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (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
Press. Gas (Comp.): 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 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.** *