

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

Printing date 27.02.2017

Version number 2

Revision: 22.02.2017

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

· **1.1 Product identifier**

· **Trade name:** DPF Cleaner Foam

· **Article number:** 86547

· **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** *Cleaning agent/ Cleaner*

· **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.



GHS05 corrosion

Skin Corr. 1B H314

Causes severe skin burns and eye damage.

Eye Dam. 1 H318

Causes serious eye damage.

· **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



GHS05

· **Signal word** *Danger*

· **Hazard-determining components of labelling:**

2-aminoethanol

Alcoholethoxylaar

· **Hazard statements**

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

H314 Causes severe skin burns and eye damage.

· **Precautionary statements**

P210

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

P251

Do not pierce or burn, even after use.

P211

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

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.02.2017

Version number 2

Revision: 22.02.2017

Trade name: DPF Cleaner Foam

(Contd. of page 1)

- P280 Wear eye protection / face 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.
- P310 Immediately call a POISON CENTER/doctor.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 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:**
 Contains (R)-p-mentha-1,8-diene. 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 Chemical characterisation: Mixtures

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

Dangerous components:

CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60	(2-methoxymethylethoxy) propanol substance with a Community workplace exposure limit	10-25%
CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-32	Butane (containing < 0.1 % butadiene (203-450-8)) ⚠ Flam. Gas 1, H220; Press. Gas C, H280	1-10%
CAS: 74-98-6 EINECS: 200-827-9 Reg.nr.: 01-2119486944-21	Propane liquefied ⚠ Flam. Gas 1, H220; Press. Gas C, H280	1-10%
	Alcoholethoxylaat ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	<2.5%
CAS: 7320-34-5 EINECS: 230-785-7	tetrapotassium pyrophosphate ⚠ Eye Irrit. 2, H319	<2.5%
CAS: 141-43-5 EINECS: 205-483-3 Reg.nr.: 01-2119486455-28	2-aminoethanol ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332	<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

- **General information** Instantly remove any clothing soiled by the product.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water. Then 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

CO₂, extinguishing powder or water haze. Fight larger fires with water haze or alcohol-resistant foam.
 Use fire fighting measures that suit the environment.

• **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.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.02.2017

Version number 2

Revision: 22.02.2017

Trade name: DPF Cleaner Foam

(Contd. of page 2)

· **Additional information** Cool endangered containers with water spray jet.

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:

Do not allow product to reach sewage system or water bodies.

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.

· 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:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage

· **Requirements to be met by storerooms and containers:** Store in cool location.

· **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.

· 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:

34590-94-8 (2-methoxymethylethoxy) propanol

WEL Long-term value: 308 mg/m³, 50 ppm

Sk

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

Carc (if more than 0.1% of buta-1.3-diene)

141-43-5 2-aminoethanol

WEL Short-term value: 7.6 mg/m³, 3 ppm

Long-term value: 2.5 mg/m³, 1 ppm

Sk

· DNELs

34590-94-8 (2-methoxymethylethoxy) propanol

Oral Long term systemic 36 mg/kg/day (Consumer)

Dermal Long term systemic 121 mg/kg/day (Consumer)

283 mg/kg/day (Worker)

Inhalative Long term systemic 37.2 mg/m³ (Consumer)

308 mg/m³ (Worker)

(Contd. on page 4)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.02.2017

Version number 2

Revision: 22.02.2017

Trade name: DPF Cleaner Foam

(Contd. of page 3)

7320-34-5 tetrapotassium pyrophosphate		
Inhalative	Long term systemic	0.68 mg/m ³ (Consumer) 2.79mg/m ³ (Worker)
141-43-5 2-aminoethanol		
Oral	Long term systemic	3.75 mg/kg bw/d (Consumer)
Dermal	Long term systemic	0.24 mg/kg bw/d (Consumer) 1 mg/kg bw/d (Worker)
Inhalative	Long term systemic	2 mg/m ³ (Consumer) 3.3 mg/m ³ (Worker)
	Long term-local	2 mg/m ³ (Consumer) 3.3 mg/m ³ (Worker)
· PNECs		
34590-94-8 (2-methoxymethylethoxy) propanol		
PNEC		19 mg/l (Aqua (freshwater))
		190 mg/l (Aqua (intermittent))
		19 mg/l (Aqua (marine water))
		70.2 mg/kg (Freshwater sediment)
		7.02 mg/kg (Marine water sediment)
		4168 mg/l (Sewage treatment plant)
		2.74 mg/kg (Soil)
7320-34-5 tetrapotassium pyrophosphate		
PNEC		0.05 mg/l (Aqua (freshwater))
		0.005 mg/l (Aqua (marine water))
141-43-5 2-aminoethanol		
PNEC		0.085 mg/l (Aqua (freshwater))
		0.025 mg/l (Aqua (intermittent))
		0.0085 mg/l. (Aqua (marine water))
		0.425 mg/kg (Freshwater sediment)
		0.0425 mg/kg (Marine water sediment)
		100 mg/l (Sewage treatment plant)
		0.035 mg/kg (Soil)

· **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

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/P2.

· 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

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.

· Penetration time of glove material

Value for the permeation: Level ≤ 480 min (level 6)

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.02.2017

Version number 2

Revision: 22.02.2017

Trade name: DPF Cleaner Foam

(Contd. of page 4)

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)

- **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:	Fluid
· Colour:	According to product specification
· Odour:	Characteristic

- **pH-value at 20 °C:** 11.7

- **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:** 270 °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:	1.1 Vol %
· Upper:	14.0 Vol %

- **Vapour pressure at 20 °C:** 23 hPa

- **Density at 20 °C** 1.011 g/cm³

- **Solubility in / Miscibility with**

- **Water:** Not miscible or difficult to mix

- **Solvent content:**

- **Solids content:** 1%

- **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** Heat. Hot surfaces. Sources of ignition. Flames.

- **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:**

34590-94-8 (2-methoxymethylethoxy) propanol

Oral	LD50	5135 mg/kg (Rat)
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(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.02.2017

Version number 2

Revision: 22.02.2017

Trade name: DPF Cleaner Foam

(Contd. of page 5)

Dermal	LD50	9500 mg/kg (Rat)
106-97-8 Butane (containing < 0.1 % butadiene (203-450-8))		
Inhalative	LC50 (4 hr)	658 mg/m ³ (Rat)
141-43-5 2-aminoethanol		
Oral	LD50	2050 mg/kg (Rat)
Dermal	LD50	1000 mg/kg (rbt)

- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes severe skin burns and eye damage.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **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:

34590-94-8 (2-methoxymethylethoxy) propanol	
EC50	1919 mg/l (Daphnia magna)
7320-34-5 tetrapotassium pyrophosphate	
LC50	>750 ug/l (Fish) >750 ug/l (Leuciscus Idus) (48 hour)
141-43-5 2-aminoethanol	
EC50 (24 hr)	140 mg/l (Daphnia magna) (OECD 202)
EC50	> 1000 mg/l (Activated sludge) (OECD 209, aquatic) 110 mg/l (Pseudomonas Putida) (16 hr - DIN 38412 Part 8)
EC50 (48 hr)	65 mg/l (Daphnia magna) (RL 84/449/EWG, C.2)
EC50 (72 hr)	2.5 mg/l (Algae) (OECD 201) 22 mg/l (Algae (Scenedesmus subspicatus)) (RL 92/69/EWG, C.3)
LC50 (96 hr)	170 mg/l (Fish) 150 mg/l (Oncorhynchus mykiss) 2070 mg/l (Pimephales promelas)
NOEC (21 days)	0.85 mg/l (Daphnia magna) (OECD 211)

- **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.

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.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

12.5 Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

GB

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.02.2017

Version number 2

Revision: 22.02.2017



Trade name: DPF Cleaner Foam

(Contd. of page 6)

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.

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 |
| · 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 |
| · 14.6 Special precautions for user | Warning: Gases. |
| · Kemler Number: | - |
| · EMS Number: | F-D,S-U |
| · Stowage Category | A |
| · 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 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 |

(Contd. on page 8)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.02.2017

Version number 2

Revision: 22.02.2017

Trade name: DPF Cleaner Foam

(Contd. of page 7)

· Transport category	2
· Tunnel restriction code	D
<hr/>	
· 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.
- **National regulations**
- **Technical instructions (air):**

Class	Share in %
NK	95.0

- **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.
H280 Contains gas under pressure; may explode if heated.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.

- **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)
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 1: Flammable gases – Category 1
Aerosol 1: Aerosols – Category 1
Press. Gas C: Gases under pressure – Compressed gas
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

- **Data compared to the previous version altered.** *