

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

Printing date 23.01.2023

Version number 4 (replaces version 3)

Revision: 18.01.2023

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

· **1.1 Product identifier**

· Trade name: **FAP / DPF CLEANER**

· Article number: 86018

· **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 Additive

· **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

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· **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

Flam. Liq. 3 H226 Flammable liquid and vapour.



health hazard

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

· **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



GHS08

· Signal word *Danger*

· Hazard-determining components of labelling:

xylene

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Hazard statements

- H226 Flammable liquid and vapour.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H373 May cause damage to organs through prolonged or repeated exposure.
 H304 May be fatal if swallowed and enters airways.

Precautionary statements

- P243 Take action to prevent static discharges.
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 P302+P352 IF ON SKIN: Wash with plenty of 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.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P370+P378 In case of fire: Use CO₂, sand, extinguishing powder to extinguish.
 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 Mixtures**

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

Dangerous components:

CAS: 108-32-7 EINECS: 203-572-1 Reg.nr.: 01-2119537232-48	Propylene carbonate ⚠ Eye Irrit. 2, H319	25-50%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32	xylene ⚠ Flam. Liq. 3, H226; ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	10-25%
CAS: 100-41-4 EINECS: 202-849-4	ethylbenzene ⚠ Flam. Liq. 2, H225; ⚠ Acute Tox. 4, H332	<5%
CAS: 108-88-3 EINECS: 203-625-9 Reg.nr.: 01-2119471310-51	Toluene ⚠ Flam. Liq. 2, H225; ⚠ Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	<0.25%

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

Aromatic hydrocarbons	≥15 - <30%
Non-ionic 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**

- **General information** Instantly remove any clothing soiled by the product.
 · **After inhalation** In case of unconsciousness bring patient into stable side position for transport.
 · **After skin contact** Instantly rinse with water.
 · **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**

- Sand. Do not use water.
 CO₂, sand, extinguishing powder. Do not use water.

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- **For safety reasons unsuitable extinguishing agents**
Water.
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:** No special measures required.

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:** Prevent material from reaching sewage system, holes and cellars.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to item 13.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
- **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** No special precautions necessary if used correctly.
- **Information about protection against explosions and fires:**
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:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class** 3
- **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:

1330-20-7 xylene	
WEL	Short-term value: 441 mg/m ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV
100-41-4 ethylbenzene	
WEL	Short-term value: 552 mg/m ³ , 125 ppm Long-term value: 441 mg/m ³ , 100 ppm Sk
108-88-3 Toluene	
WEL	Short-term value: 384 mg/m ³ , 100 ppm Long-term value: 191 mg/m ³ , 50 ppm Sk

· **Regulatory information** WEL: EH40/2020

DNELs

108-32-7 Propylene carbonate		
Dermal	Long term systemic effect	20 mg/kg/bw/dy (Worker)
Inhalative	Long term systemic effect	70.53 mg/m ³ (Worker)
	Long term local effect	20 mg/m ³ (Worker)

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1330-20-7 xylene		
Dermal	Long term local effect	3,182 mg/kg/day (Worker)
Inhalative	Acute local effect	442 mg/m ³ (Worker)
	Long term local effect	221 mg/m ³ (Worker)
100-41-4 ethylbenzene		
Dermal	Long term systemic effect	180 mg/kg/day (Worker)
Inhalative	Acute local effect	293 mg/m ³ (Worker)
	Long term local effect	77 mg/m ³ (Worker)
108-88-3 Toluene		
Dermal	Long term systemic effect	384 mg/kg bw/day (Worker)
Inhalative	Long term systemic effect	192 mg/m ³ (Worker)
	Acute local effect	384 mg/m ³ (Worker)
	Long term local effect	192 mg/m ³ (Worker)
	Acute systemic effect	384 mg/m ³ (Worker)

· PNECs

108-32-7 Propylene carbonate	
PNEC	0.09 mg/l (Aqua (marine water))
	7,400 mg/l (Sewage treatment plant)
	0.81 mg/kg (Soil)
1330-20-7 xylene	
PNEC	0.327 mg/l (Aqua (freshwater))
	0.327 mg/l (Aqua (marine water))
	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)
100-41-4 ethylbenzene	
PNEC	0.1 mg/l (Aqua (freshwater))
	0.1 mg/l (Aqua (intermittent))
	0.1 mg/l (Aqua (marine water))
108-88-3 Toluene	
PNEC	0.68 mg/l (Freshwater sediment)
	0.68 mg/l (Marine water sediment)
	13.61 mg/l (Sewage treatment plant)
	2.89 mg/kg (Soil)

· Ingredients with biological limit values:

1330-20-7 xylene	
BMGV	650 mmol/mol creatinine
	Medium: urine
	Sampling time: post shift
	Parameter: methyl hippuric acid

· 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.
Store protective clothing separately.
Avoid contact with the eyes and skin.
- **Breathing equipment:** Filter A2 / P3 (EN 14387)
- **Hand protection**



Protective gloves.

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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**

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.

- **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**

Fluid

- **Colour:**

According to product specification

- **Odour:**

Light

- **Odour threshold:**

Not determined.

- **Melting point/freezing point:**

Not determined

- **Boiling point or initial boiling point and boiling range**

136 °C

- **Flammability**

Flammable.

- **Lower and upper explosion limit**

- **Lower:**

1 Vol %

- **Upper:**

7 Vol %

- **Flash point:**

27 °C

- **Ignition temperature:**

460 °C

- **Decomposition temperature:**

Not determined.

- **pH**

Mixture is non-polar/aprotic.

- **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**

Not determined

- **Relative density**

Not determined.

- **Vapour density**

Not determined.

- **9.2 Other information**

- **Appearance:**

- **Form:**

Fluid

- **Important information on protection of health and environment, and on safety.**

- **Self-inflammability:**

Product is not selfigniting.

- **Explosive properties:**

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

- **Solvent content:**

- **Organic solvents:**

<56.2 %

- **Solids content:**

52.0 %

- **Change in condition**

- **Evaporation rate**

Not determined.

- **Information with regard to physical hazard classes**

- **Explosives**

Void

- **Flammable gases**

Void

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· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Flammable liquid and vapour.
· 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 flammable 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.

· LD/LC50 values that are relevant for classification:

1330-20-7 xylene

Oral	LD50	4,300 mg/kg (Rat)
Dermal	LD50	2,000 mg/kg (Rabbit)

100-41-4 ethylbenzene

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)

- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **STOT-repeated exposure** May cause damage to organs through prolonged or repeated exposure.
- **Aspiration hazard** May be fatal if swallowed and enters airways.

· 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

1330-20-7 xylene

CE50	10 mg/l (Fish) (72h)
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EC50 (48 hr)	7.4 mg/l (Daphnia magna)
LC50 (96 hr)	3.77-13.5 mg/l (Fish)
100-41-4 ethylbenzene	
EC50	>100 mg/l (Daphnia magna)
LC50 (96 hr)	>10 mg/l (Fish)
108-88-3 Toluene	
EC50 (24 hr)	84 mg/l (Activated sludge)
EC50 (48 hr)	3.78 mg/l (Daphnia magna)
EC50 (72 hr)	10 mg/l (Algae)
LC50 (96 hr)	5.5 mg/l (Fish)
NOEC (7 days)	0.74 mg/l (Daphnia magna)

- **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**
- **Additional ecological information:**
- **General notes:**
- Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.
- Do not allow product to reach ground water, water bodies or sewage system.
- Danger to drinking water if even small quantities leak into soil.

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 or ID number**
- **ADR, IMDG, IATA** UN1993
- **14.2 UN proper shipping name**
- **ADR** 1993 FLAMMABLE LIQUID, N.O.S. (ETHYLBENZENE, XYLENES)
- **IMDG, IATA** FLAMMABLE LIQUID, N.O.S. (ETHYLBENZENE, XYLENES)
- **14.3 Transport hazard class(es)**
- **ADR**
- 
- **Class** 3 (F1) Flammable liquids.
- **Label** 3
- **IMDG, IATA**
- 
- **Class** 3 Flammable liquids.
- **Label** 3

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· 14.4 Packing group	
· ADR	III
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user	Warning: Flammable liquids.
· Kemler Number:	30
· EMS Number:	F-E, S-E
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Transport category	3
· Tunnel restriction code	D/E
· UN "Model Regulation":	UN 1993 FLAMMABLE LIQUID, N.O.S. (ETHYLBENZENE, XYLENES), 3, III

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 P5c** FLAMMABLE LIQUIDS
- **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	56.2

- **Water hazard class:** Water hazard class 2 (Self-assessment): 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.
 - H226 Flammable liquid and vapour.
 - H304 May be fatal if swallowed and enters airways.
 - H312 Harmful in contact with skin.
 - H315 Causes skin irritation.
 - H319 Causes serious eye irritation.
 - H332 Harmful if inhaled.
 - H335 May cause respiratory irritation.
 - H336 May cause drowsiness or dizziness.
 - H361d Suspected of damaging the unborn child.
 - H373 May cause damage to organs through prolonged or repeated exposure.
- **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
 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

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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

vPvB: very Persistent and very Bioaccumulative

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

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

Data compared to the previous version altered. *

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