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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 61 (replaces version 60)

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

- 1.1 Product identifier
- Trade name: Brake Parts Cleaner 2
- · Article number: 83920
- 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 Cleaner solvent
- 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.



health hazard

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



environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



Skin Irrit. 2 H315 Causes skin irritation.

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.

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#### · Hazard pictograms









GHS07

#### · Signal word Danger

## · Hazard-determining components of labelling:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Reaction mass of ethylbenzene and xylene

#### · Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

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

H411 Toxic 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.

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

P251 Do not pierce or burn, even after use. P261 Avoid breathing mist/vapours/spray.

P280 Wear protective gloves.

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

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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 Mixtures

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

0-75%
0-25%
5-10%
<5%
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 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.

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#### 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

Carbon dioxide

Fire-extinguishing powder

Water haze

Alcohol-resistant foam

Use fire fighting measures that suit the environment.

#### 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

Carbon monoxide and carbon dioxide

#### 5.3 Advice for firefighters

#### Protective equipment:

Wear self-contained breathing apparatus.

Do not inhale explosion gases or combustion gases.

#### 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

Ensure adequate ventilation

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.

Open and handle container with care.

Keep away from heat and direct sunlight.

#### 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.

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:

Store in cool, dry conditions in well sealed containers.

Protect from heat and direct sunlight.

· Storage class 2 B

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(Contd. of page 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.

#### Reaction mass of ethylbenzene and xylene

WEL Short-term value: 441 mg/m³, 100 ppm Long-term value: 220 mg/m³, 50 ppm Sk; BMGV

67-64-1 Acetone

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

124-38-9 Carbon dioxide

WEL Short-term value: 27400 mg/m³, 15000 ppm Long-term value: 9150 mg/m³, 5000 ppm

Regulatory information WEL: EH40/2020

#### · DNELs

#### Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Oral Long term systemic effect 699 mg/kg bw/day (Consumer) Dermal Long term systemic effect 699 mg/kg bw/day (Consumer) 773 mg/kg bw/day (Worker) Inhalative Long term systemic effect 608 mg/m3 (Consumer) 2,035 mg/m3 (Worker)

#### Reaction mass of ethylbenzene and xylene

Dermal Long term systemic effect 180 mg/kg bw/day (Worker) Inhalative Long term systemic effect 77 mg/m3 (Worker) 289 mg/m3 (Worker) Acute systemic effect

67-64-1 Acetone

Long term systemic effect 186 mg/kg bw/day (Worker) Dermal Inhalative Long term systemic effect 1,210 mg/m3 (Worker) Acute local effect 2,420 mg/m3 (Worker)

#### PNECs

#### Reaction mass of ethylbenzene and 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 (Soil)

#### 67-64-1 Acetone

PNEC 10.6 mg/l (Aqua (freshwater))

21 mg/l (Aqua (intermittent))

1.06 mg/l (Aqua (marine water)) 30.4 mg/kg (Freshwater sediment)

3.04 mg/kg (Marine water sediment)

29.5 mg/kg (Soil)

#### Ingredients with biological limit values:

#### Reaction mass of ethylbenzene and 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.

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#### · 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:

Only during spraying without adequate removal by suction.

Filter A / P2 (EN 14387) Filter A2 / P2 (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: ≥ 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.

Not applicable.

#### · 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/face 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

Physical state
Colour:
Odour:
Odour threshold:
Melting point/freezing point:

Aerosol
Clear
Characteristic
Not determined
Not determined

Boiling point or initial boiling point and boiling range 55 °C

Flammability

Lower and upper explosion limit

**Lower:** 0.8 Vol % ⋅ **Upper:** 13 Vol %

Flash point: Not applicable, as aerosol

Ignition temperature: >200 °C
Decomposition temperature: Not determined.

· **pH** Mixture is non-polar/aprotic.

Viscosity:

· Kinematic viscosity
· dynamic:

Not determined.

Not determined.

Solubility

Water: Not miscible / difficult to mix

Partition coefficient n-octanol/water (log value)

Not determined.

246 hPa

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(Contd. of page 5) Density and/or relative density Density at 20 °C 0.773 g/cm<sup>3</sup> 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: · Organic solvents: 744 g/I VOC · Change in condition · Evaporation rate Not applicable. Information with regard to physical hazard classes Explosives Void Flammable gases Void · Aerosols Extremely flammable aerosol. Pressurised container: May burst if heated · Oxidising gases Void · Gases under pressure Void Flammable liquids Void · 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:		
Hydrocari	bons, C6-C7	', n-alkanes, isoalkanes, cyclics, <5% n-hexane
Oral	LD50	>5,840 mg/kg (Rat)
Dermal	LD50	>2,920 mg/kg (Rabbit)
Inhalative	LC50 (4 hr)	>25.2 mg/l (Rat)
Reaction mass of ethylbenzene and xylene		
Oral	LD50	>5,840 mg/kg (Rat)
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Dermal	LD50	>2,920 mg/kg (Rabbit)	
Inhalative	LC50 (4 hr)	>25 mg/l (Rat)	
67-64-1 A	67-64-1 Acetone		
Oral	LD50	5,800 mg/kg (Rat)	
Dermal	LD50	20,000 mg/kg (Rabbit)	

- Skin corrosion/irritation Causes skin irritation.
- Serious eye damage/irritation Causes serious eye irritation.
- · STOT-single exposure May cause drowsiness or dizziness.
- STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure.
- 11.2 Information on other hazards

#### Endocrine disrupting properties

None of the ingredients is listed.

## SECTION 12: Ecological information

#### 12.1 Toxicity

12.1 TOXICITY	
· Aquatic toxici	ty:
Hydrocarbons,	C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane
EL50 (48 hr)	3 mg/l (Daphnia magna)
EL50 (72 hr)	30-100 mg/l (Pseudokirchneriella subcapitata)
LL50	11.4 mg/l (Oncorhynchus mykiss) (96 hr)
LOEC (21 days)	0.32 mg/l (Daphnia magna)
NOEC (21 days)	0.17 mg/l (Daphnia magna)
NOELR	3 mg/l (Pseudokirchneriella subcapitata) (72 hr)
Reaction mass	of ethylbenzene and xylene
EC50 (48 hr)	3.2-9.5 mg/l (Daphnia magna)
LC50 (96 hr)	8.9-16.4 mg/l (Pimephales promelas)
NOEC (72 hr)	0.44 mg/l (Algae)
NOEC	1.3 mg/l (Fish)
NOEC (7 days)	0.96 mg/l (Daphnia magna)
67-64-1 Acetone	
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)	2,212 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
- · Remark: Toxic for fish
- · 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.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

— GB

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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.
- · Uncleaned packagings:

SECTION 14: Transport information	
14.1 UN number or ID number ADR, IMDG, IATA	UN1950
14.2 UN proper shipping name ADR IMDG IATA	1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS AEROSOLS AEROSOLS, flammable
14.3 Transport hazard class(es)  ADR	
Class Label	2 5F Gases. 2.1
IMDG	
Class	2.1 Gases.



Segregation Code



·Class	2.1 Gases.
· Label	2.1
14.4 Packing group	
ADR, IMDG, IATA	Void
· 14.5 Environmental hazards:	Product contains environmentally hazardous substances: Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane
· Marine pollutant:	Yes Symbol (fish and tree)
· Special marking (ADR):	Symbol (fish and tree)
14.6 Special precautions for user	Warning: Gases.
EMS Number:	F-D,S-Ü
· 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:

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	Segregation as for the appropriate subdivision of class 2.	
14.7 Maritime transport in bulk according	ng to IMO	
instruments	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, ENVIRONMENTALLY HAZARDOUS	

#### **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

E2 Hazardous to the Aquatic Environment

P3b FLAMMABLE AEROSOLS

- Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
- · Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- · National regulations
- · Technical instructions (air):

Class	Share in %
NK	21.0

- · 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.

Harmful in contact with skin. H312

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

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

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:

RID: (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation
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 concentration, 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
Flam. Liq. 3: Flammable liquids - Category 2
Flam. Liq. 3: Flammable liquids - Category 4
Skin Irrit. 2: Skin corrosion/irritation - Category 2
Eye Irrit. 2: Serious eye damage/eye irritation - 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 Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2
Data compared to the previous version altered. \*

Data compared to the previous version altered. \*