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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 73 (replaces version 72)

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

- 1.1 Product identifier
- Trade name: Brake Parts Cleaner 2
- · Article number: 83672
- 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

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# 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.

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

Acetone

#### · 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

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P210

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.

EC number: 921-024-6	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	50-75%
Reg.nr.: 01-2119475514-35	🊸 Flam. Liq. 2, H225; <page-header> Asp. Tox. 1, H304; Ҍ Aquatic Chronic 2, H411; 🗘 Skin Irrit. 2, H315; STOT SE 3, H336</page-header>	
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49	Acetone	25-50%
Reg.nr.: 01-2119488216-32	Reaction mass of ethylbenzene and xylene  § Flam. Liq. 3, H226; § STOT RE 2, H373; Asp. Tox. 1, H304;  \$\int Acute Tox. 4, H312; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	10-25%
CAS: 124-38-9 EINECS: 204-696-9	Carbon dioxide substance with a Community workplace exposure limit	5-10%

#### 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.

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

#### After skin contact

Instantly wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

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- · After eye contact Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- After swallowing

Rinse out mouth and then drink plenty of water.

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 CO2, extinguishing powder or water haze. Fight larger fires with water haze or alcohol-resistant foam.

For safety reasons unsuitable extinguishing agents Water with a full water jet.

#### 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.

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- 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 Components with limit values that require monitoring at the workplace: 67-64-1 Acetone WEL Short-term value: 3620 mg/m³, 1500 ppm Long-term value: 1210 mg/m³, 500 ppm 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 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) 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) 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) Acute systemic effect 289 mg/m3 (Worker) PNECs 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) Reaction mass of ethylbenzene and xylene PNEC 0.327 mg/l (Agua (freshwater)) 0.327 mg/l (Agua (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) 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.

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#### · 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:

Only during spraying without adequate removal by suction.

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



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

· Physical state Aerosol Colour: Clear · Odour: Characteristic · Odour threshold: Not determined · Meltina point/freezina point: 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.

pН 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.

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(Contd. of page 5) Vapour pressure at 20 °C: 246 hPa Density and/or relative density Density at 20 °C 0.745 a/cm3 · 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: 701 q/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 · 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:		
Hydrocarbons, 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)

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67-64-1 A	67-64-1 Acetone		
Oral	LD50	5,800 mg/kg (Rat)	٦
Dermal	LD50	20,000 mg/kg (Rabbit)	
Reaction	Reaction mass of ethylbenzene and xylene		
Oral	LD50	>5,840 mg/kg (Rat)	٦
Dermal	LD50	>2,920 mg/kg (Rabbit)	
Inhalative	LC50 (4 hr)	>25 mg/l (Rat)	

- · 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 TOXIOLLY	1211 TOXIOLEY		
· Aquatic toxici	· Aquatic toxicity:		
Hydrocarbons,	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)		
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)		
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)		

- · 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

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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:

Stowage Code

· Segregation Code

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, MARINE POLLUTANT AEROSOLS, flammable
14.3 Transport hazard class(es)	
ADR	
Class	2 5F Gases.
Label IMDG	2.1
Class	2.1 Gases.
Label	2.1
IATA	
Class	2.1 Gases.
Label	2.1
14.4 Packing group	Media
ADR, IMDG, IATA	Void
14.5 Environmental hazards:	Product contains environmentally hazardous substances: Hydrocarbo C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane
Marine pollutant:	Yes
Special marking (ADR):	Symbol (fish and tree) Symbol (fish and tree)
14.6 Special precautions for user	Warning: Gases.
Kemler Number:	-
EMS Number:	F-D,S-U

SW1 Protected from sources of heat.

division 1.4.

AEROSOLS: Category C, Clear of living quarters.

For AEROSOLS with a capacity above 1 litre:

SG69 For AEROSOLS with a maximum capacity of 1 litre:

Segregation as for the appropriate subdivision of class 2.

SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE

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

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	For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
14.7 Maritime transport in bulk accordin	g to IMO
instruments	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	1L
Excepted quantities (ÉQ)	Code: E0
, , ,	Not permitted as Excepted Quantity
Transport category	3
Tunnel restriction code	E
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (ÉQ)	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	42.0

- · 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.
- 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.
- 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 acronvms:

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

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ELINCS: European List of Notified Chemical Substances
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

LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic

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 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
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. \*