

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

Printing date 23.01.2023

Version number 3 (replaces version 2)

Revision: 18.01.2023

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

1.1 Product identifier

Trade name: **Floor Cleaner (Machine)**

Article number: 86458

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 material/ Detergent

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



corrosion

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.



STOT SE 3 H335 May cause respiratory 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



GHS05



GHS07

Signal word Danger

Hazard-determining components of labelling:

2-aminoethanol

potassium hydroxide

Isotridecyl alcohol, ethoxylate

Hazard statements

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

Precautionary statements

P260 Do not breathe mist/vapours/spray.

P280 Wear protective gloves / eye protection / face protection.

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P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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

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.

P390 Absorb spillage to prevent material damage.

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: 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; Aquatic Chronic 3, H412 Specific concentration limit: STOT SE 3; H335: C ≥ 5 % | 5-10% |
| CAS: 1310-58-3 EINECS: 215-181-3 Reg.nr.: 01-2119487136-33 | potassium hydroxide Acute Tox. 3, H331; Skin Corr. 1A, H314; Acute Tox. 4, H302 Specific concentration limits: Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0.5 % ≤ C < 2 % Eye Irrit. 2; H319: 0.5 % ≤ C < 2 % | <5% |
| CAS: 15763-76-5 EINECS: 239-854-6 Reg.nr.: 01-2119489411-37 | sodium p-cumenesulphonate Eye Irrit. 2, H319 | <3% |
| CAS: 164524-02-1 EC number: 629-764-9 Reg.nr.: 01-2119489427-24 | potassium 4-isopropylbenzenesulphonate Eye Irrit. 2, H319 | <3% |
| EC number: 931-138-8 | Isotridecyl alcohol, ethoxylate Eye Dam. 1, H318; Aquatic Chronic 3, H412 | <3% |

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

preservation agents (METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE), Non-ionic surfactants, Anionic surfactants, Amphoteric surfactants, Water-soluble polycarboxylate, Potassium triphosphate

<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. Then consult doctor.

After swallowing Drink copious amounts of water and provide fresh air. Instantly call for 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 Use fire fighting measures that suit the environment.

5.2 Special hazards arising from the substance or mixture Formation of poisonous gases during heating or in fires.

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- **5.3 Advice for firefighters**
- **Protective equipment:** Put on breathing apparatus.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Put on breathing apparatus.
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Dilute with much water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralising agent.
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.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** Keep breathing equipment ready.
- **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 8 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:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· DNELs

141-43-5 2-aminoethanol

| | | |
|------------|---------------------------|--------------------------------|
| Dermal | Long term systemic effect | 1 mg/kg bw/d (Worker) |
| Inhalative | Long term systemic effect | 3.3 mg/m ³ (Worker) |
| | Long term local effect | 3.3 mg/m ³ (Worker) |

1310-58-3 potassium hydroxide

| | | |
|------------|------------------------|------------------------------|
| Inhalative | Long term local effect | 1 mg/m ³ (Worker) |
|------------|------------------------|------------------------------|

15763-76-5 sodium p-cumenesulphonate

| | | |
|------------|---------------------------|---------------------------------|
| Dermal | Long term systemic effect | 7.6 mg/kg bw/dy (Worker) |
| Inhalative | Long term systemic effect | 53.6 mg/m ³ (Worker) |

164524-02-1 potassium 4-isopropylbenzenesulphonate

| | | |
|------------|---------------------------|---------------------------------|
| Dermal | Long term systemic effect | 7.6 mg/kg bw/dy (Worker) |
| Inhalative | Long term systemic effect | 53.6 mg/m ³ (Worker) |

· PNECs

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) |

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| | |
|---|--|
| | 0.0425 mg/kg (Marine water sediment) 100 mg/l (Sewage treatment plant) 0.035 mg/kg (Soil) |
| 1310-58-3 potassium hydroxide | |
| PNEC | 0.23 mg/l (Aqua (freshwater)) (Assessment factor 1000) 2.3 mg/l (Aqua (intermittent)) (Assessment factor 100) 100 mg/l (Sewage treatment plant) (Assessment factor 10) |
| 164524-02-1 potassium 4-isopropylbenzenesulphonate | |
| PNEC | 0.23 mg/l (Aqua (freshwater)) (Assessment factor 1000) 2.3 mg/l (Aqua (marine water)) (Assessment factor 100) |

· **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.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
- **Breathing equipment:** Filter A2 / P3 (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

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



Safety glasses (EN 166)

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: | -2 °C |
| · Boiling point or initial boiling point and boiling range | 100 °C |
| · Flammability | Not applicable. |
| · Lower and upper explosion limit | |
| · Lower: | Not determined. |
| · Upper: | Not determined. |
| · Flash point: | Not applicable |
| · Decomposition temperature: | Not determined. |

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| | |
|---|------------------------|
| · pH at 20 °C | 13.8 |
| · Viscosity: | |
| · Kinematic viscosity | Not determined. |
| · dynamic: | Not determined. |
| · Solubility | |
| · Water: | Fully miscible |
| · Partition coefficient n-octanol/water (log value) | Not determined. |
| · Vapour pressure: | Not determined. |
| · Density and/or relative density | |
| · Density at 20 °C | 1.09 g/cm ³ |
| · 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. |
| · Solvent content: | |
| · Organic solvents: | 10.0 % |
| · Change in condition | |
| · Evaporation rate | Not determined. |

| | |
|---|------|
| · Information with regard to physical hazard classes | |
| · Explosives | Void |
| · Flammable gases | Void |
| · Aerosols | Void |
| · 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.

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LD/LC50 values that are relevant for classification:**141-43-5 2-aminoethanol**

| | | |
|--------|------|-------------------|
| Oral | LD50 | 2,050 mg/kg (Rat) |
| Dermal | LD50 | 1,000 mg/kg (rbt) |

1310-58-3 potassium hydroxide

| | | |
|------|------|-----------------|
| Oral | LD50 | 365 mg/kg (Rat) |
|------|------|-----------------|

15763-76-5 sodium p-cumenesulphonate

| | | |
|------------|-------------|--------------------|
| Oral | LD50 | >2,000 mg/kg (Rat) |
| Dermal | LD50 | >2,000 mg/kg (Rat) |
| Inhalative | LC50 (4 hr) | >6.41 mg/l (Rat) |

164524-02-1 potassium 4-isopropylbenzenesulphonate

| | | |
|------|------|--------------------|
| Oral | LD50 | >2,000 mg/kg (Rat) |
|------|------|--------------------|

· **Skin corrosion/irritation** Causes severe skin burns and eye damage.· **Serious eye damage/irritation** Causes serious eye damage.· **STOT-single exposure** May cause respiratory irritation.**11.2 Information on other hazards****Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information**12.1 Toxicity****Aquatic toxicity:****141-43-5 2-aminoethanol**

| | |
|----------------|---|
| EC50 (24 hr) | 140 mg/l (Daphnia magna) (OECD 202) |
| EC50 | >1,000 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) |
| | 2,070 mg/l (Pimephales promelas) |
| NOEC (21 days) | 0.85 mg/l (Daphnia magna) (OECD 211) |

15763-76-5 sodium p-cumenesulphonate

| | |
|--------------|---|
| EC10 | ≥1,000 (Activated sludge) (3 hrs) |
| EC50 (48 hr) | >1,020 mg/l (Daphnia magna) (EPA OTS 797.1300 Aquatic Invertebrate Acute Toxic) |
| EC50 (72 hr) | >100 mg/l (Desmodesmus subspicatus) |
| LC50 (96 hr) | >100 mg/l (Cyprinus carpio) |

164524-02-1 potassium 4-isopropylbenzenesulphonate

| | |
|--------------|---|
| EC50 (48 hr) | >100 mg/l (Daphnia magna) |
| EC50 (72 hr) | >100 mg/l (Desmodesmus subspicatus) |
| LC50 (96 hr) | >100 mg/l (Cyprinus carpio) |
| LL50 | 100 (Sewage treatment plant) (Assessment factor 10) |

· **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 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.

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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.

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 or ID number

ADR, IMDG, IATA UN3266

14.2 UN proper shipping name

ADR 3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (POTASSIUM HYDROXIDE, ETHANOLAMINE)
IMDG, IATA CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (POTASSIUM HYDROXIDE, ETHANOLAMINE)

14.3 Transport hazard class(es)

ADR



Class 8 (C5) Corrosive substances.
Label 8

IMDG, IATA



Class 8 Corrosive substances.
Label 8

14.4 Packing group

ADR, IMDG, IATA III

14.5 Environmental hazards: Not applicable.

14.6 Special precautions for user

Warning: Corrosive substances.
Kemler Number: 80
EMS Number: F-A, S-B
Segregation groups Alkalies
Stowage Category A
Segregation Code SG35 Stow "separated from" SGG1-acids

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

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| | |
|-----------------------------------|--|
| · Transport category | 3 |
| · Tunnel restriction code | E |
| · IMDG | |
| · 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 |
| · UN "Model Regulation": | UN 3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (POTASSIUM HYDROXIDE, ETHANOLAMINE), 8, 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.
- **National regulations**
- **Technical instructions (air):**

| Class | Share in % |
|-------|------------|
| NK | 10.0 |

- **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**
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.
H331 Toxic if inhaled.
H332 Harmful if inhaled.
H412 Harmful to aquatic life with long lasting effects.
- **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
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
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 3: Acute toxicity – Category 3
Skin Corr. 1A: Skin corrosion/irritation – Category 1A
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
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
- **Data compared to the previous version altered.** *