

Safety data sheet
according SS 586 : Part 3

Printing date 31.01.2020

Version number 3

Revision: 30.10.2017

1 Identification

· **Product identifier**

· **Trade name:** Intensive Deep Cleaner Extra RM 752 ASF

· **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.

· **Application of the substance / the mixture**

Floor cleaner

Basic cleaner

· **Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Alfred Kärcher SE & Co. KG

Alfred-Kärcher-Str. 28-40

D - 71364 Winnenden

Postfach 160

D - 71349 Winnenden

Tel.: +49-7195-14-0

Fax : +49-7195-14-2212

www.karcher.com

Karcher South East Asia Pte. Ltd.

3 Depot Close 05-01

Singapore 109840

Tel: +65-6897-1811

Fax: +65-6897-1611

· **Further information obtainable from:**

Department TCD-D

Tel.: +49-7195-14-2548

Fax : +49-7195-14-3164

safetydata@karcher.com

· **Emergency telephone number:**

For Hazardous Materials [or Dangerous Goods] Incidents

Spill, Leak, Fire, Exposure, or Accident

Call CHEMTREC Day or Night

Within USA and Canada: 1-800-424-9300

Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

2 Hazards identification

· **Classification of the substance or mixture**

Met. Corr.1 H290 May be corrosive to metals.

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

Eye Dam. 1 H318 Causes serious eye damage.

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- **Label elements**
- **GHS label elements**
The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**



GHS05

- **Signal word** *Danger*
- **Hazard-determining components of labelling:**
sodium hydroxide
- **Hazard statements**
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
- **Precautionary statements**
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
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.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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- **Other hazards**
 - **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with non-hazardous additions.

· **Dangerous components:**

1310-73-2	sodium hydroxide ⚠ Met. Corr.1, H290; Skin Corr. 1A, H314	2-<5%
15763-76-5	sodium p-cumenesulphonate ⚠ Eye Irrit. 2A, H319	1-5%
160875-66-1	2-propylheptanol ethoxylate ⚠ Eye Dam. 1, H318	1-5%
5989-27-5	(R)-p-mentha-1,8-diene ⚠ Flam. Liq. 3, H226; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	0.1-<0.25%

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

non-ionic surfactants, cationic surfactants

<5%

perfumes (LIMONENE)

· Additional information For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

· Description of first aid measures

· General information Immediately remove any clothing soiled by the product.

· After inhalation

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air; consult doctor in case of complaints.

· After skin contact Immediately wash with water and soap and rinse thoroughly.

· After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor.

· After swallowing

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

· Information for doctor

· Most important symptoms and effects, both acute and delayed

No further relevant information available.

· Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

· Extinguishing media

· Suitable extinguishing agents

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· For safety reasons unsuitable extinguishing agents Water with full jet.

· Special hazards arising from the substance or mixture No further relevant information available.

· Advice for firefighters

· Protective equipment: No special measures required.

· Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

· Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Dilute with plenty of water.

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Do not allow to enter sewers/ surface or ground water.
Do not allow to penetrate the ground/soil.

· Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
Use neutralising agent.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

· 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 disposal information.

7 Handling and storage

· Handling

· Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Avoid contact with eyes and skin.

· Information about fire - and explosion protection: No special measures required.

· Conditions for safe storage, including any incompatibilities

· Storage

· Requirements to be met by storerooms and receptacles: Store only in the original receptacle.

· Information about storage in one common storage facility:

Do not store together with acids.
Keep away from food, beverages and feed.

· Further information about storage conditions: Keep receptacle tightly sealed.

· Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

· Additional information about design of technical facilities: No further data; see item 7.

· Control parameters

· Ingredients with limit values that require monitoring at the workplace:

1310-73-2 sodium hydroxide

PEL (Singapore)	Short-term value: 2 mg/m ³
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· DNELs

15763-76-5 sodium p-cumenesulphonate

Oral	DNEL	3.8 mg/kg*d (consumer)
Dermal	DNEL	136.25 mg/kg*d (employee)
		68.1 mg/kg*d (consumer)
Inhalative	DNEL	26.9 mg/m ³ (employee)

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	6.6 mg/m ³ (consumer)
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· **PNECs**

15763-76-5 sodium p-cumenesulphonate

PNEC	0.23 mg/l (freshwater) 0.023 mg/l (marine water) 100 mg/l (STP)
PNEC sediment	0.862 mg/kg (freshwater) 0.086 mg/kg (marine water)
PNEC soil	0.037 mg/kg (soil)

· **Exposure controls**

· **Personal protective equipment**

· **General protective and hygienic measures**

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.

· **Respiratory protection:**

Filter A/P2.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Not necessary if room is well-ventilated.

· **Protection of hands:**



Protective gloves.

· **Material of gloves** Butyl rubber, BR

· **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.

· **For the permanent contact gloves made of the following materials are suitable:**

* butyl rubber 0,7 mm, 480 min (EN 374)

· **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

Nitrile rubber, NBR

· **Eye protection:**



Tightly sealed goggles (EN 166)

· **Body protection:**

Boots

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Apron

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9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

· Form:	Fluid
· Colour:	Green
· Odour:	citrus-like
· Odour threshold:	Not determined.

· pH-value at 20 °C:	13.3
· pH-value 1 %:	12.0

· **Change in condition**

· Melting point/freezing point:	undetermined
· Initial boiling point and boiling range:	100 °C

· Flash point:	>100 °C
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· Flammability (solid, gaseous)	Not applicable.
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· Ignition temperature:	not applicable
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· Decomposition temperature:	Not determined.
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· Auto-ignition temperature:	Product is not selfigniting.
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· Explosive properties:	Product does not present an explosion hazard.
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· **Explosion limits:**

· Lower:	Not determined.
· Upper:	Not determined.

· Vapour pressure:	Not determined.
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· Density at 20 °C:	1.119 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.

· **Solubility in / Miscibility with**

· Water:	Fully miscible
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· Partition coefficient: n-octanol/water:	Not determined.
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· **Viscosity:**

· dynamic at 20 °C:	3.3 mPas
· kinematic:	Not determined.

· **Solvent content:**

· Organic solvents:	0.1 %
· VOC (EC)	0.11 %
· Solids content:	21.4 %

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· **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity** corresponds to 10.3
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions**
Strong exothermic reaction with acids
Reacts with light alloys to form hydrogen
Corrodes aluminium
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:**
Not compatible with alkali-sensitive substances like Sn, Zn, Al and paintings.
- **Hazardous decomposition products:** No dangerous decomposition products known

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**
- **Primary irritant effect:**
- **Skin corrosion/irritation** Strong caustic effect on skin and mucous membranes.
- **Serious eye damage/irritation**
Strong caustic effect.
Strong irritant with the danger of severe eye injury.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
Corrosive
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

1310-73-2 sodium hydroxide

LC50/96 h	125 mg/l (<i>Gambusia affinis</i>)
EC50/48 h	76 mg/l (<i>Daphnia magna</i>)
EC50/15 min	22 mg/l (<i>Photobacterium phosphoreum</i>)

- **Persistence and degradability** No further relevant information available.

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- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **COD-value:** 113000 mg/l

· **General notes:**

The product does not contain organically bounded halogens (AOX-free).

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

The contained organic complexing agents reach a DOC-elimination grade of 80% (corresponding to No. 406 of Annex "Analytic and measuring methods") and with this meet the tightened demands of Annex 49 of the revised Direction on liquid waste.

Do not allow undiluted product or large quantities of it to reach ground water, water course 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.

- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Must be specially treated adhering to official regulations.

· **European waste catalogue**

07 06 01*	aqueous washing liquids and mother liquors
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- **Uncleaned packaging:**
- **Recommendation:**
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
Non contaminated packagings may be recycled.

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· **Recommended cleansing agents:** Water, if necessary together with cleaning agents.

14 Transport information

· UN-Number · ADR, IMDG, IATA	UN1719
· UN proper shipping name · ADR · IMDG, IATA	1719 CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE) CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE)
· Transport hazard class(es) · ADR	
	
· Class · Label	8 (C5) Corrosive substances. 8
· IMDG, IATA	
	
· Class · Label	8 Corrosive substances. 8
· Packing group · ADR, IMDG, IATA	II
· Environmental hazards: · Marine pollutant:	No
· Special precautions for user · Danger code (Kemler): · EMS Number: · Segregation groups · Stowage Category · Segregation Code	Warning: Corrosive substances. 80 F-A,S-B Alkalis A SG22 Stow "away from" ammonium salts SG35 Stow "separated from" SGG1-acids
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.

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· Transport/Additional information:

· ADR

- | | |
|----------------------------|---|
| · Limited quantities (LQ) | 1L |
| · Excepted quantities (EQ) | Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml |
| · Transport category | 2 |
| · Tunnel restriction code | E |

· IMDG

- | | |
|----------------------------|---|
| · Limited quantities (LQ) | 1L |
| · Excepted quantities (EQ) | Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml |

- UN "Model Regulation": UN 1719 CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE), 8, II

15 Regulatory information

- 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
- Information about limitation of use:
Employment restrictions concerning juveniles must be observed.
- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. A product information sheet can be provided if requested.

· Relevant phrases

- H226 Flammable liquid and vapour.
- H290 May be corrosive to metals.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

- Department issuing SDS: TCD-D

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· **Contact:**

Department TCD-D

Tel.: +49-7195-14-2548

Fax : +49-7195-14-3164

safetydata@karcher.com

· **Abbreviations and acronyms:**

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

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)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Met. Corr.1: Corrosive to metals – Category 1

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Skin Sens. 1: Skin sensitisation – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

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

· 0-011-311-0

RM 752/17

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