

Stone floor cleaning RM 537

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

KÄRCHER

SECTION 1: Identification

1.1. Product identifier

Trade name : Stone floor cleaning RM 537
Type of product : Detergent

1.2. Recommended use and restrictions on use

Recommended use : Detergent

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)
Not classified

2.2. GHS Label elements, including precautionary statements

GHS CA labelling
No labelling applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS CA)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Ethanol	Ethanol	(CAS-No.) 64-17-5	>=1 - <2.5	Flam. Liq. 2, H225 Eye Irrit. 2A, H319

Full text of hazard classes and H-statements : see section 16

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SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.
First-aid measures general : In all cases of doubt, or when symptoms persist, seek medical attention.

4.2. Most important symptoms and effects (acute and delayed)

No additional information available

4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Unsuitable extinguishing media

Unsuitable extinguishing media : Strong water jet.

5.3. Specific hazards arising from the hazardous product

No additional information available

5.4. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information : Do not allow run-off from fire fighting to enter drains or water courses. Disposal must be done according to official regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

6.2. Methods and materials for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.
Other information : Disposal must be done according to official regulations.

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.
Maximum storage period : 4 years
Storage temperature : 4 - 25 °C
Information about storage in one common storage facility : Keep away from food, drink and animal feeding stuffs.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ethanol (64-17-5)

Alberta	OEL STEL (ppm)	1000 ppm
Alberta	Notations and remarks	URT irr

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British Columbia	OEL STEL (ppm)	1000 ppm
British Columbia	Notations and remarks	URT irr
Manitoba	OEL STEL (ppm)	1000 ppm
Manitoba	Notations and remarks	URT irr
New Brunswick	OEL STEL (ppm)	1000 ppm
New Brunswick	Notations and remarks	URT irr
Newfoundland & Labrador	OEL STEL (ppm)	1000 ppm
Newfoundland & Labrador	Notations and remarks	URT irr
Nova Scotia	OEL STEL (ppm)	1000 ppm
Nova Scotia	Notations and remarks	URT irr
Nunavut	OEL STEL (ppm)	1000 ppm
Nunavut	Notations and remarks	URT irr
Northwest Territories	OEL STEL (ppm)	1000 ppm
Northwest Territories	Notations and remarks	URT irr
Ontario	OEL STEL (ppm)	1 ppm
Ontario	Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
Prince Edward Island	OEL STEL (ppm)	1000 ppm
Prince Edward Island	Notations and remarks	URT irr
Saskatchewan	OEL STEL (ppm)	1250 ppm
Saskatchewan	OEL TWA (ppm)	1000 ppm

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

protective gloves. EN 374. Does not require any particular or specific measures. Respect the general rules for occupational hygiene. Gloves must be replaced after each use and whenever signs of wear or perforation appear. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer

Eye protection:

Use splash goggles when eye contact due to splashing is possible. EN 166

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

No respiratory protection needed under normal use conditions. In case of insufficient ventilation, wear suitable respiratory equipment. EN 143

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: clear.
Colour	: Blue
Odour	: lemon odour
Odour threshold	: No data available
pH	: 8.5
pH solution	: 7.5 (1 %)
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 100 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable

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Vapour pressure	: No data available
Vapour pressure at 50 °C	: No data available
Relative density	: No data available
Density	: 0.999 g/cm ³
Solubility	: Water: completely miscible
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 3.3 mPa·s
Explosive limits	: No data available

9.2. Other information

Refractive index : 1.3377

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

Ethanol (64-17-5)

LD50 oral rat	10470 mg/kg (OECD 401 method)
LC50 inhalation rat (Vapours - mg/l/4h)	124.7 mg/l/4h (OECD 403)

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 8.5
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 8.5
Respiratory or skin sensitization	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

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Viscosity, kinematic (calculated value) (40 °C)	3.31 mm ² /s
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SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity	: Not classified (Based on available data, the classification criteria are not met)
Chronic aquatic toxicity	: Not classified (Based on available data, the classification criteria are not met)

Ethanol (64-17-5)

LC50 fish l	14200 mg/l (96 h; <i>Pimephales promelas</i> ; US EPA method E03-05)
EC50 <i>Daphnia</i> l	5012 mg/l (48 h; <i>Ceriodaphnia dubia</i> ; ASTM E729-80)
ErC50 (algae)	275 mg/l (72 h, <i>Chlorella vulgaris</i> , (OECD 201 method))
NOEC chronic fish	250 mg/l (120 h, Zebrafish, (OECD 212 method))

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NOEC chronic crustacea	2 mg/l (10 d, Ceriodaphnia dubia)
Log Kow	-0.35 (24 °C)

12.2. Persistence and degradability

Stone floor cleaning RM 537 Persistence and degradability	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.
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Ethanol (64-17-5) Persistence and degradability	Readily biodegradable.
Biodegradation	84 % (20 d)

12.3. Bioaccumulative potential

Ethanol (64-17-5) Bioaccumulative potential	Bioaccumulation unlikely.
Log Kow	-0.35 (24 °C)

12.4. Mobility in soil

Ethanol (64-17-5) Surface tension	22.31 mN/m (20 °C)
Log Kow	-0.35 (24 °C)

12.5. Other adverse effects

Ozone : Not classified (Based on available data, the classification criteria are not met)

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Disposal must be done according to official regulations. Ensure all national/local regulations are observed. Do not discharge into drains or the environment. Do not dispose of with domestic waste.

SECTION 14: Transport information

14.1. Basic shipping description

In accordance with TDG

Transportation of Dangerous Goods

Not regulated for transport

14.2. Transport information/DOT

Department of Transport

Not regulated for transport

14.3. Air and sea transport

IMDG

Not regulated for transport

IATA

Not regulated for transport

SECTION 15: Regulatory information

15.1. National regulations

Stone floor cleaning RM 537 Canada DSL & NDSL Flags	On or in compliance with the inventory (DSL).
Ethanol (64-17-5) Listed on the Canadian DSL (Domestic Substances List)	

15.2. International regulations

Ethanol (64-17-5) Listed on the United States TSCA (Toxic Substances Control Act) inventory	
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ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
DPD	Dangerous Preparations Directive 1999/45/EC
DSD	Dangerous Substances Directive 67/548/EEC
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
TLM	Median Tolerance Limit
vPvB	Very Persistent and Very Bioaccumulative

KFT SDS CA 09

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product