

**Safety Data Sheet**  
according to P.U.(A) 310/2013

Printing date 22.03.2024

Version number 5

Revision: 15.04.2021

**1 Identification of the hazardous chemical and of the supplier**

- **Product identifier**
- **Trade name:** Universal Stain Remover RM 769
- **Recommended use of the chemical and restrictions on use** Restricted to professional users.
- **Application of the substance / the mixture** Detergent
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

**Alfred Kärcher SE & Co. KG**

Alfred-Kärcher-Str. 28-40

D - 71364 Winnenden

Tel.: +49-7195-14-0

**Karcher Cleaning Systems Sdn. Bhd.**

No. 5 Jalan Perintis U1/52

Kawasan Perindustrian Temasya Glenmarie

40150 Shah Alam

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Phone: +60-3-55670510

Internet: [www.karcher.com](http://www.karcher.com)

- **Further information obtainable from:**

Regulatory Affairs

Tel.: +49-7195-14-0

[productsafety.management.de@karcher.com](mailto:productsafety.management.de@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 Hazard identification**

- **Classification of the substance or mixture**

The product is not classified, according to the Globally Harmonised System (GHS).

- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void

## Safety Data Sheet according to P.U.(A) 310/2013

Printing date 22.03.2024

Version number 5

Revision: 15.04.2021

Trade name: Universal Stain Remover RM 769

(Contd. of page 1)

### 3 Composition and information of the ingredients of the hazardous chemical

· **Chemical characterisation:** Mixtures

· **Description:** Solvent mixture.

· **Dangerous components:**

57-55-6	Propylene glycol		30-50%
5131-66-8	propylene glycol monobutyl ether	⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	≥5-<10%

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

### 4 First-aid measures

· **Description of first aid measures**

· **After inhalation** Supply fresh air; consult doctor in case of complaints.

· **After skin contact** Generally the product does not irritate the skin.

· **After eye contact** Rinse opened eye for several minutes under running water.

· **After swallowing**

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

· **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** Use fire extinguishing methods suitable to surrounding conditions.

· **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 clothing.

· **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.

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

(Contd. on page 3)

MY

## Safety Data Sheet according to P.U.(A) 310/2013

Printing date 22.03.2024

Version number 5

Revision: 15.04.2021

**Trade name: Universal Stain Remover RM 769**

(Contd. of page 2)

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).

**Reference to other sections**

No dangerous substances are released.

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** No special precautions are necessary if used correctly.

**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:** No special requirements.

**Information about storage in one common storage facility:** Keep away from food, beverages and feed.

**Further information about storage conditions:** None.

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

## 8 Exposure controls and personal protection

**Additional information about design of technical facilities:** No further data; see section 7.

**Control parameters**
**Ingredients with limit values that require monitoring at the workplace:**

57-55-6 Propylene glycol

WEEL (USA) Long-term value: 10 mg/m<sup>3</sup>
**Exposure controls**
**Personal protective equipment**
**General protective and hygienic measures**

Do not eat or drink while working.

Wash hands before breaks and at the end of work.

**Respiratory protection:** Not necessary if room is well-ventilated.

**Protection of hands:**


Protective gloves.

(Contd. on page 4)

MY

## Safety Data Sheet according to P.U.(A) 310/2013

Printing date 22.03.2024

Version number 5

Revision: 15.04.2021

**Trade name: Universal Stain Remover RM 769**

(Contd. of page 3)

### 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.

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.

### Eye protection:

Goggles recommended during refilling.



Tightly sealed goggles (EN 166)

## 9 Physical and chemical properties

### Information on basic physical and chemical properties

#### General Information

#### Appearance:

Form:

Fluid

Colour:

Colourless

#### Odour:

Product specific

#### Odour threshold:

Not determined.

#### pH-value:

Not applicable.

#### Change in condition

Melting point/freezing point

-20 °C

Initial boiling point and boiling range

undetermined

#### Flash point:

78 °C (Closed Cup)

#### Flammability (solid, gas)

Not applicable.

#### Auto-ignition temperature

not applicable

#### Decomposition temperature:

Not determined.

#### Auto-ignition temperature

Product is not selfigniting.

#### Explosive properties:

Not determined.

#### Explosion limits:

Lower:

Not determined.

Upper:

Not determined.

#### Vapour pressure:

Not determined.

#### Density at 20 °C:

0.944 g/cm<sup>3</sup>

#### Relative density

Not determined.

#### Vapour density

Not determined.

(Contd. on page 5)

## Safety Data Sheet according to P.U.(A) 310/2013

Printing date 22.03.2024

Version number 5

Revision: 15.04.2021

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(Contd. of page 4)

· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix
· <b>Partition coefficient: n-octanol/water</b>	Not determined.
· <b>Viscosity:</b> dynamic at 20 °C: kinematic:	13 mPas Not determined.
· <b>Other information</b>	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** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· <b>LD/LC50 values relevant for classification:</b>		
<b>29911-28-2 dipropylene glycol n-butylether</b>		
Oral	LD50	3160 mg/kg (Rat)
<b>5131-66-8 propylene glycol monobutyl ether</b>		
Oral	LD50	3300 mg/kg (Rat)

- **Primary irritant effect:**
- **Skin corrosion or irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage or eye irritation** Based on available data, the classification criteria are not met.
- **Respiratory / skin sensitization** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **Specific target organ toxicity (STOT) – single exposure** Based on available data, the classification criteria are not met.

(Contd. on page 6)

## Safety Data Sheet according to P.U.(A) 310/2013

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Revision: 15.04.2021

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(Contd. of page 5)

- **Specific target organ toxicity (STOT) – repeated exposure**  
Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

## 12 Ecological information

### · Toxicity

#### · Aquatic toxicity:

##### 29911-28-2 dipropylene glycol n-butylether

LC50/96 h	841 mg/l (Daphnia magna)
EC50/48 h (static)	>100 mg/l (Daphnia magna)
EC50/96 h	519 mg/l (Algae)

##### 5131-66-8 propylene glycol monobutyl ether

LC50/96 h	560-1000 mg/l (fish)
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- **Persistence and degradability** No further relevant information available.

#### · Degree of elimination:

##### 5131-66-8 propylene glycol monobutyl ether

OECD 301E	90 % (28 d)
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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:** 1022.000 mg/l

#### · General notes:

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

The product does not contain organic complexing agents.

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

#### · Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

(Contd. on page 7)

## Safety Data Sheet according to P.U.(A) 310/2013

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Revision: 15.04.2021

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(Contd. of page 6)

### 13 Disposal information

#### · 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

20 01 30	detergents other than those mentioned in 20 01 29
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#### · Uncleaned packaging:

#### · Recommendation:

Non contaminated packagings may be recycled.

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

### 14 Transportation information

#### · UN-Number

#### · ADR, ADN, IMDG, IATA

Void

#### · UN proper shipping name

#### · ADR, ADN, IMDG, IATA

Void

#### · Transport hazard class(es)

#### · ADR, ADN, IMDG, IATA

#### · Class

Void

#### · Packing group

#### · ADR, IMDG, IATA

Void

#### · Environmental hazards:

#### · Marine pollutant:

No

#### · Special precautions for user

Not applicable.

#### · Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

#### · UN "Model Regulation":

Void

### 15 Regulatory information

#### · Safety, health and environmental regulations/legislation specific for the substance or mixture

#### · National regulations

#### · Information about limitation of use: Employment restrictions concerning juveniles must be observed.

(Contd. on page 8)

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**Trade name: Universal Stain Remover RM 769***(Contd. of page 7)***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.

**Contact:**

Regulatory Affairs

Tel.: +49-7195-14-0

productsafety.management.de@karcher.com

**Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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

Eye Irrit. 2: Serious eye damage or eye irritation – Category 2

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

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RM 769/1·2

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