

# Marmor- & Granit-Reiniger

## Safety Data Sheet

according to Regulation (EU) 2015/830

Revision date: 11/24/2017 Version: 5.0



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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Marmor- & Granit-Reiniger

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Cleaning agent

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

Knauf Bauprodukte GmbH & Co. KG  
Am Bahnhof 7  
P.O. Box 10  
97346 Iphofen - Germany  
T +49 9323 31-0 - F +49 9323 31-323  
[www.knauf-bauprodukte.de](http://www.knauf-bauprodukte.de)  
E-mail address of competent person responsible for the SDS : [sds-info@knauf.de](mailto:sds-info@knauf.de)

#### 1.4. Emergency telephone number

| Country        | Organisation/Company  | Address   | Emergency number | Comment |
|----------------|---|---|------------------|---------|
| United Kingdom | National Poisons Information Service (Newcastle Centre)<br>Regional Drugs and Therapeutics Centre, Wolfson Unit | Claremont Place<br>Newcastle-upon-Tyne<br>NE1 4LP Newcastle | 0344 892 0111    |         |

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Corr. 1A H314

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

##### Adverse physicochemical, human health and environmental effects

Causes severe skin burns and eye damage.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to display

Hazard pictograms (CLP) :



GHS05

Signal word (CLP)

: Danger

Hazardous ingredients

: Alcohols, C9-11 ethoxylated; 2-aminoethanol; Quartäres C12-14 Alkylmethylaminethoxylatmethylchlorid

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|                                |  |
|--------------------------------|--|
| Hazard statements (CLP)        | : H314 - Causes severe skin burns and eye damage.  |
| Precautionary statements (CLP) | : P102 - Keep out of reach of children.<br>P260 - Do not breathe dust, fume, gas, mist, vapours, spray.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection.<br>P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting<br>P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.<br>P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |
| Extra phrases                  | : Regulation (EC) No. 648/2004 of 31 March 2004 on detergents<br>5 % < 15 % non-ionic surfactants<br>< 5 % cationic surfactants<br>perfumes<br>Limonene  |

### 2.3. Other hazards

PBT: not relevant – no registration required

vPvB: not relevant – no registration required

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name   | Product identifier  | %        | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|--|---|----------|--|
| Alcohols, C9-11 ethoxylated                            | (CAS-No.) 68439-46-3  | 5 - < 15 | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318  |
| 2-aminoethanol   | (CAS-No.) 141-43-5<br>(EC-No.) 205-483-3<br>(EC Index-No.) 603-030-00-8 | 1 - < 5  | Acute Tox. 4 (Inhalation), H332<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Oral), H302<br>Skin Corr. 1B, H314 |
| Quartäres C12-14 Alkylmethylaminethoxylatmethylchlorid |   | 1 - < 5  | Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318   |

#### Specific concentration limits:

| Name           | Product identifier  | Specific concentration limits |
|----------------|---|-------------------------------|
| 2-aminoethanol | (CAS-No.) 141-43-5<br>(EC-No.) 205-483-3<br>(EC Index-No.) 603-030-00-8 | (C >= 5) STOT SE 3, H335      |

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | : Move the affected person away from the contaminated area. When in doubt or if symptoms are observed, get medical advice.  |
| First-aid measures after inhalation   | : Remove the victim into fresh air. If breathing stops, give artificial respiration. IN ALL CASES CONSULT A DOCTOR!.  |
| First-aid measures after skin contact | : After contact with skin, wash immediately and thoroughly with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. |
| First-aid measures after eye contact  | : In case of eye contact, immediately rinse with clean water for 10-15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist.  |
| First-aid measures after ingestion    | : Rinse mouth out with water. Immediately give plenty of water. Do not induce vomiting. Potential adverse human health effects and symptoms. Gastric perforation. Get medical advice/attention. Do not use neutralisation products.                 |

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### **4.2. Most important symptoms and effects, both acute and delayed**

Symptoms/effects : Causes severe burns.

### **4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

## **SECTION 5: Firefighting measures**

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### **5.1. Extinguishing media**

Suitable extinguishing media : Adapt extinguishing media to the environment. Water spray. Alcohol-resistant foam. Carbon dioxide. Dry powder.

Unsuitable extinguishing media : Strong water jet.

### **5.2. Special hazards arising from the substance or mixture**

Fire hazard : Not flammable.

Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide. Nitrogen oxides.

### **5.3. Advice for firefighters**

Protection during firefighting : Use self-contained breathing apparatus and chemically protective clothing. Full suit.

Other information : Use water spray to disperse the vapours. Do not allow run-off from fire fighting to enter drains or water courses.

## **SECTION 6: Accidental release measures**

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### **6.1. Personal precautions, protective equipment and emergency procedures**

General measures : Ensure adequate air ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothing. Wear personal protective equipment.

#### **6.1.1. For non-emergency personnel**

No additional information available

#### **6.1.2. For emergency responders**

No additional information available

### **6.2. Environmental precautions**

Do not discharge the product into the environment. Prevent entry to sewers and public waters.

### **6.3. Methods and material for containment and cleaning up**

For containment : Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Disposal must be done according to official regulations.

### **6.4. Reference to other sections**

7.1. Precautions for safe handling. For further information refer to section 13. 8. Exposure controls/personal protection.

## **SECTION 7: Handling and storage**

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### **7.1. Precautions for safe handling**

Precautions for safe handling : Provide local exhaust or general room ventilation. Do not breathe gas/fumes/vapour/spray.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Take off immediately all contaminated clothing and wash it before reuse. Keep away from food, drink and animal feeding stuffs.

### **7.2. Conditions for safe storage, including any incompatibilities**

Storage conditions : Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store in a dry, cool area. Store in a place accessible by authorised persons only.

Information on mixed storage : No specific measures are necessary.

### **7.3. Specific end use(s)**

Washing and cleaning products (including solvent based products).

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

| 2-aminoethanol (141-43-5) |              |   |
|---------------------------|--------------|---|
| United Kingdom            | Local name   | 2-Aminoethanol  |
| United Kingdom            | Remark (WEL) | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity) |

#### 8.2. Exposure controls

##### Appropriate engineering controls:

If handled uncovered, arrangements with local exhaust ventilation have to be used.

##### Personal protective equipment:

Wear suitable protective clothing.

##### Hand protection:

Protective gloves

| Type | Material             | Permeation       | Thickness (mm) | Penetration | Standard |
|------|----------------------|------------------|----------------|-------------|----------|
|      | Nitrile rubber (NBR) | 2 (> 30 minutes) | 0,4            |             |          |

##### Eye protection:

Wear closed safety glasses

| Type                             | Use | Characteristics | Standard |
|----------------------------------|-----|-----------------|----------|
| Safety glasses with side shields |     |                 |          |

##### Skin and body protection:

Wear suitable protective clothing

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment



##### Consumer exposure controls:

Do not breathe gas/fumes/vapour/spray.

##### Other information:

Do not eat, drink or smoke when using this product. Take off immediately all contaminated clothing. Wash hands before breaks and after work.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

|  |                     |
|--|---------------------|
| Physical state                             | : Liquid            |
| Colour                                     | : yellowish.        |
| Odour                                      | : lemon.            |
| Odour threshold                            | : No data available |
| pH   | : ≈ 12 (20°C)       |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point                              | : Not determined    |
| Freezing point                             | : No data available |
| Boiling point                              | : 100 °C            |
| Flash point                                | : Not determined    |
| Auto-ignition temperature                  | : Not applicable    |
| Decomposition temperature                  | : Not determined    |

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|                                  |                                     |
|----------------------------------|-------------------------------------|
| Flammability (solid, gas)        | : Not applicable                    |
| Vapour pressure                  | : Not determined                    |
| Relative vapour density at 20 °C | : No data available                 |
| Relative density                 | : No data available                 |
| Density                          | : $\approx 1 \text{ g/cm}^3$ (20°C) |
| Solubility                       | : Easily soluble.                   |
| Log Pow                          | : No data available                 |
| Viscosity, kinematic             | : No data available                 |
| Viscosity, dynamic               | : No data available                 |
| Explosive properties             | : No data available                 |
| Oxidising properties             | : Non oxidizing.                    |
| Lower explosive limit (LEL)      | : Not determined                    |
| Upper explosive limit (UEL)      | : Not determined                    |

### 9.2. Other information

VOC content : 3.673 % (36,725 g/l)

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Possibility of hazardous reactions.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

Exothermic reaction on contact with : Peroxides. Oxidizing agents and acids.

### 10.4. Conditions to avoid

Do not expose to heat. Direct sunlight.

### 10.5. Incompatible materials

Acids. Oxidizing agent. Peroxides.

### 10.6. Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified  
Additional information : Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

| 2-aminoethanol (141-43-5) |   |
|---------------------------|---|
| LD50 oral rat             | 1515 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male/female, Experimental value) |
| LD50 dermal rabbit        | 1018 mg/kg (24 h, Rabbit, Inconclusive, insufficient data)                                      |

|                                   |   |
|-----------------------------------|---|
| Skin corrosion/irritation         | : Causes severe skin burns and eye damage.<br>pH: $\approx 12$ (20°C) |
| Serious eye damage/irritation     | : Serious eye damage, category 1, implicit<br>pH: $\approx 12$ (20°C) |
| Respiratory or skin sensitisation | : Not classified  |
| Germ cell mutagenicity            | : Not classified  |
| Carcinogenicity                   | : Not classified  |
| Reproductive toxicity             | : Not classified  |
| STOT-single exposure              | : Not classified  |
| STOT-repeated exposure            | : Not classified  |
| Aspiration hazard                 | : Not classified  |

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

| 2-aminoethanol (141-43-5) |   |
|---------------------------|---|
| LC50 fish 1               | 150 mg/l (96 h, Salmo gairdneri, Fresh water) |
| EC50 Daphnia 1            | 140 mg/l (24 h, Daphnia magna)                |
| EC50 72h algae (1)        | 35 mg/l (Algae)                               |

#### 12.2. Persistence and degradability

| Marmor- & Granit-Reiniger     |  |
|-------------------------------|--|
| Persistence and degradability | This material has not been tested for environmental effects. |

| 2-aminoethanol (141-43-5)       |  |
|---------------------------------|--|
| Persistence and degradability   | Biodegradable in the soil. Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 0.8 g O <sub>2</sub> /g substance                          |
| Chemical oxygen demand (COD)    | 1.34 g O <sub>2</sub> /g substance                         |
| ThOD                            | 2.49 g O <sub>2</sub> /g substance                         |
| BOD (% of ThOD)                 | 0.32   |

#### 12.3. Bioaccumulative potential

| Marmor- & Granit-Reiniger |                                    |
|---------------------------|------------------------------------|
| Bioaccumulative potential | No bioaccumulation data available. |

| 2-aminoethanol (141-43-5) |                      |
|---------------------------|----------------------|
| Log Pow                   | -1.91                |
| Bioaccumulative potential | Not bioaccumulative. |

#### 12.4. Mobility in soil

| Marmor- & Granit-Reiniger |  |
|---------------------------|--|
| Ecology - soil            | This material has not been tested for environmental effects. |

| 2-aminoethanol (141-43-5) |   |
|---------------------------|---|
| Surface tension           | 0.05 N/m  |
| Ecology - soil            | No (test)data on mobility of the substance available. |

#### 12.5. Results of PBT and vPvB assessment

| Marmor- & Granit-Reiniger                     |  |
|---|--|
| PBT: not relevant – no registration required  |  |
| vPvB: not relevant – no registration required |  |

#### 12.6. Other adverse effects

Other adverse effects : No supplementary information available.  
Additional information : Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.  
Sewage disposal recommendations : Do not allow into drains or water courses.  
Product/Packaging disposal recommendations : Disposal must be done according to official regulations. Dirty containers cannot be handled as normal waste.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN






| ADR                    | IMDG | IATA | ADN  | RID  |
|------------------------|------|------|------|------|
| <b>14.1. UN number</b> |      |      |      |      |
| 1719                   | 1719 | 1719 | 1719 | 1719 |

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| ADR  | IMDG  | IATA  | ADN  | RID   |
|--|---|---|--|---|
| <b>14.2. UN proper shipping name</b>   |   |   |  |   |
| CAUSTIC ALKALI LIQUID, N.O.S. (2-aminoethanol)                                   | CAUSTIC ALKALI LIQUID, N.O.S. (2-aminoethanol)                                    | Caustic alkali liquid, n.o.s. (2-aminoethanol)                                    | CAUSTIC ALKALI LIQUID, N.O.S. (2-aminoethanol)                                     | CAUSTIC ALKALI LIQUID, N.O.S. (2-aminoethanol)                                      |
| <b>14.3. Transport hazard class(es)</b>  |   |   |  |   |
| 8  | 8   | 8   | 8  | 8   |
|  |  |  |  |  |
| <b>14.4. Packing group</b>   |   |   |  |   |
| II   | II  | II  | II   | II  |
| <b>14.5. Environmental hazards</b>   |   |   |  |   |
| Dangerous for the environment : No   | Dangerous for the environment : No<br>Marine pollutant : No                       | Dangerous for the environment : No  | Dangerous for the environment : No   | Dangerous for the environment : No  |
| No supplementary information available   |   |   |  |   |

### 14.6. Special precautions for user

#### - Overland transport

Classification code (ADR) : C5  
Limited quantities (ADR) : 11  
Excepted quantities (ADR) : E2  
Transport category (ADR) : 2  
Tunnel restriction code (ADR) : E  
EAC code : 2R

#### - Transport by sea

Limited quantities (IMDG) : 1 L  
Excepted quantities (IMDG) : E2

#### - Air transport

PCA Excepted quantities (IATA) : E2  
PCA limited quantity max net quantity (IATA) : 0.5L

#### - Inland waterway transport

Classification code (ADN) : C5  
Limited quantities (ADN) : 1 L  
Excepted quantities (ADN) : E2

#### - Rail transport

Classification code (RID) : C5  
Limited quantities (RID) : 1L  
Excepted quantities (RID) : E2  
Transport category (RID) : 2

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

Not applicable

## **SECTION 15: Regulatory information**

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions  
Contains no substance on the REACH candidate list  
Contains no REACH Annex XIV substances

VOC content : 3.673 % (36,725 g/l)

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Other information, restriction and prohibition regulations : Detergent Regulation (648/2004/EC).

### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out

## SECTION 16: Other information

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Acute Tox. 4 (Dermal)               | Acute toxicity (dermal), Category 4           |
| Acute Tox. 4 (Inhalation)           | Acute toxicity (inhal.), Category 4           |
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4             |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1 |
| Skin Corr. 1A                       | Skin corrosion/irritation, Category 1A        |
| Skin Corr. 1B                       | Skin corrosion/irritation, Category 1B        |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2         |
| H302                                | Harmful if swallowed.                         |
| H312                                | Harmful in contact with skin.                 |
| H314                                | Causes severe skin burns and eye damage.      |
| H315                                | Causes skin irritation.                       |
| H318                                | Causes serious eye damage                     |
| H332                                | Harmful if inhaled.                           |

Knauf SDS EU (REACH Annex II)

*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*