

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878



UFI: VM31-M0WA-E00K-EG58  
Print date: 20.09.2024  
Version: 1-0

Kamareta descaler  
Revision date: 18.09.2024  
Issue date: 18.09.2024

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

**1.1. Product identifier**

UFI: VM31-M0WA-E00K-EG58  
Trade name/designation: Kamareta descaler

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

**Relevant identified uses**

for cleaning

**Uses advised against**

There is no information available for use is discouraged facing.

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

**supplier (manufacturer/importer/downstream user/distributor)**

Kamareta AG  
Im Rossefeld 18  
9494 Schaan  
Liechtenstein

**Department responsible for information:** +423 (0) 791 30 40

**E-mail (competent person)** [info@kamareta.com](mailto:info@kamareta.com)

**1.4. Emergency telephone number**

Nationaal Vergiftigingen Informatie Centrum - UMC 0887558000  
Utrecht

Exclusively intended for healthcare professionals in acute poisoning.

**SECTION 2: Hazards identification**

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

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

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

**2.2. Label elements**

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

**Hazard pictograms**

**Hazard statements**

not applicable

**Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read carefully and follow all instructions.

**Hazard components for labelling**

not applicable

**Supplemental hazard information**

not applicable

**2.3. Other hazards**

The mixture does not contain any "substances of very high concern" (SVHC)  $\geq 0,1$  %, as published by the European Chemical Agency (ECHA) according to Article 57 of Regulation (EC) No 1907/2006 (REACH).

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

**Description** Cleaning agent, acidic

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

| EC No.    | REACH No.                 |
|-----------|---------------------------|
| CAS No.   | Designation               |
| Index No. | classification: // Remark |

weight-%

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226-218-8                      01-2119488633-28  
5329-14-6                      sulphamic acid  
016-026-00-0                      Eye Irrit. 2 H319 / Skin Irrit. 2 H315 / Aquatic Chronic 3 H412

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**Additional information**

Full text of classification: see section 16

**Labelling for contents according to regulation (EC) No. 648/2004**

| weight-% | Ingredient            |
|----------|-----------------------|
| < 5 %    | non-ionic surfactants |

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

Take off immediately all contaminated clothing. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice. In all cases of doubt, or when symptoms persist, seek medical advice.

**In case of inhalation**

Remove casualty to fresh air and keep warm and at rest. Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

**Following skin contact**

Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

**After eye contact**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

**Following ingestion**

If swallowed, rinse mouth with water (only if the person is conscious). Keep victim calm. Do NOT induce vomiting. Call a physician immediately. If medical advice is needed, have product container or label at hand.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

First Aid, decontamination, treatment of symptoms.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Extinguishing powder, Carbon dioxide (CO<sub>2</sub>), spray mist, (water)

**Unsuitable extinguishing media**

strong water jet

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

Inhaling hazardous decomposing products can cause serious health damage.

**5.3. Advice for firefighters**

Wear suitable protective clothing.

**SECTION 6: Accidental release measures**

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

Use personal protection equipment. Do not breathe vapours.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

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

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Treat the recovered material as prescribed in the section on waste disposal. Provide adequate ventilation.

**6.4. Reference to other sections**

Observe protective provisions (see section 7 and 8).

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advices on safe handling

#### Further information

non-combustible liquids that cannot be assigned to any of the above storage classes

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

#### Requirements for storage rooms and vessels

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

#### Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

#### Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 5 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

### 7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use, Follow the instructions for use on the label.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limit values:

not applicable

### 8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction.

#### Personal protection equipment

##### Respiratory protection

Not applicable.

Suitable respiratory protection apparatus: Respiratory protection is required for not sufficiently ventilated working places and during the spraying processing.

##### Hand protection

For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber)

Thickness of the glove material 0,4 mm Breakthrough time: 30 min

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin: Recommended glove articles EN ISO 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

##### Eye/face protection

Wear closely fitting protective glasses in case of splashes.

##### Body protection

Wear suitable protective clothing and gloves.

##### Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

#### Environmental exposure controls

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

## SECTION 9: Physical and chemical properties

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

Physical state:

Liquid

Appearance:

Liquid

Colour:

refer to label

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|                                                 |                                                                       |
|-------------------------------------------------|-----------------------------------------------------------------------|
| <b>Odour:</b>                                   | characteristic                                                        |
| <b>Odour threshold:</b>                         | not determined                                                        |
| <b>Melting point/freezing point:</b>            | not determined                                                        |
| <b>Initial boiling point and boiling range:</b> | not applicable                                                        |
| <b>Flammability</b>                             | Combustible liquid.                                                   |
| <b>Lower and upper explosion limit:</b>         |                                                                       |
| <b>Lower explosion limit:</b>                   | not determined                                                        |
| <b>Upper explosion limit:</b>                   | not applicable                                                        |
| <b>Flash point:</b>                             | > 100 °C<br>Method: EN ISO 13736                                      |
| <b>Auto-ignition temperature:</b>               | not determined                                                        |
| <b>Decomposition temperature:</b>               | not applicable                                                        |
| <b>pH at 20 °C:</b>                             | 0,5 / 100,0 weight-%                                                  |
| <b>Kinematic viscosity (40°C):</b>              | 96 mm²/s                                                              |
| <b>Viscosity at 20 °C:</b>                      | 100 mPa* s                                                            |
| <b>Solubility(ies):</b>                         |                                                                       |
| <b>Water solubility at 20 °C:</b>               | completely miscible                                                   |
| <b>Partition coefficient: n-octanol/water:</b>  | see section 12                                                        |
| <b>Vapour pressure at 20 °C:</b>                | not determined                                                        |
| <b>Density and/or relative density:</b>         |                                                                       |
| <b>Density at 20 °C:</b>                        | 1,04 g/cm³<br>Method: EN ISO 2811-1                                   |
| <b>Relative density at 20 °C:</b>               | not determined                                                        |
| <b>Bulk density:</b>                            |                                                                       |
| <b>Relative vapour density:</b>                 | not determined                                                        |
| <b>particle characteristics:</b>                | not determined                                                        |
| 9.2. <b>Other information</b>                   |                                                                       |
| <b>Solid content:</b>                           | 6,97 weight-% / 3,27 L/kg / 3,41 Vol-%<br>Remark: Solid contentRemark |
| <b>Solvent:</b>                                 |                                                                       |
| <b>Organic solvents:</b>                        | 1 weight-%                                                            |
| <b>aromatic hydrocarbons:</b>                   | 0 weight-%                                                            |
| <b>Water:</b>                                   | 91 weight-%                                                           |
| <b>Drop point/drop range:</b>                   |                                                                       |
| <b>Pour point:</b>                              | 0 °C                                                                  |
| <b>Explosive properties:</b>                    | not applicable                                                        |
| <b>Oxidising properties:</b>                    | not applicable                                                        |
| <b>Burning time:</b>                            | not determined                                                        |
| <b>Evaporation rate:</b>                        | not determined                                                        |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available. No hazardous reaction when handled and stored according to provisions.

### 10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

### 10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

### 10.4. Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

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10.5. **Incompatible materials**  
not applicable

10.6. **Hazardous decomposition products**  
none Thermal decomposition can lead to the escape of irritating gases and vapours. Hazardous decomposition byproducts may form with exposure to high temperatures.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

**Acute toxicity, calculated:**

**Acute toxicity**

Based on available data, the classification criteria are not met.

**Skin corrosion/irritation; Serious eye damage/eye irritation**

Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation**

Based on available data, the classification criteria are not met.

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Based on available data, the classification criteria are not met.

**STOT-single exposure; 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.

**Practical experience/human evidence**

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

**Overall assessment on CMR properties**

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

**Remark**

There is no information available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified according to the toxicological dangers. See chapters 2 and 15 for details.

### 11.2. Information on other hazards

**Endocrine disrupting properties**

No information available.

## SECTION 12: Ecological information

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

Do not allow to enter into surface water or drains.

### 12.1. Toxicity

Based on available data, the classification criteria are not met.

**Long-term Ecotoxicity**

Toxicological data are not available.

### 12.2. Persistence and degradability

Toxicological data are not available.

### 12.3. Bioaccumulative potential

Toxicological data are not available.

**Bioconcentration factor (BCF)**

Toxicological data are not available.

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**12.4. Mobility in soil**

Toxicological data are not available.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Endocrine disrupting properties**

No information available.

**12.7. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Appropriate disposal / Product  
Recommendation**

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

**Control report for waste code/ waste marking according to EAKV:**

200130                      detergents other than those mentioned in 20 01 29

**Appropriate disposal / Package  
Recommendation**

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

**SECTION 14: Transport information**

**No dangerous good in sense of this transport regulation.**

**14.1. UN number or ID number**

not applicable

**14.2. UN proper shipping name**

**14.3. Transport hazard class(es)**

not applicable

**14.4. Packing group**

not applicable

**14.5. Environmental hazards**

Land transport (ADR/RID)

not applicable

Marine pollutant

not applicable

**14.6. Special precautions for user**

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

**Further information**

**Land transport (ADR/RID)**

Tunnel restriction code

-

**Sea transport (IMDG)**

EmS-No.

not applicable

**14.7. Maritime transport in bulk according to IMO instruments**

No transport as bulk according IBC - Code.

**SECTION 15: Regulatory information**

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

**EU legislation**

**Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]**

This product is not classified according to Directive 2012/18/EU.

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**Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]**

VOC-value (in g/L): 12

**National regulations**

**Restrictions of occupation**

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.  
Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

**Identification on the label/Trade name**

Child-resistant fastenings (EN/862/ISO 8317): No

Tactile warning according to EN/ISO 11683: No

**15.2. Chemical Safety Assessment**

**For the following substances of this mixture a chemical safety assessment has been carried out:**

| EC No.<br>CAS No.      | Designation      | REACH No.        |
|------------------------|------------------|------------------|
| 226-218-8<br>5329-14-6 | sulphamidic acid | 01-2119488633-28 |

**SECTION 16: Other information**

**Full text of classification in section 3:**

|                          |                                      |                                                    |
|--------------------------|--------------------------------------|----------------------------------------------------|
| Eye Irrit. 2 / H319      | Serious eye damage/eye irritation    | Causes serious eye irritation.                     |
| Skin Irrit. 2 / H315     | Skin corrosion/irritation            | Causes skin irritation.                            |
| Aquatic Chronic 3 / H412 | Hazardous to the aquatic environment | Harmful to aquatic life with long lasting effects. |

**Further information**

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

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in section 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.