

# Miele ProCare Dent 11 A

Version: 3 / CA

Replaces Version: 2 / CA Date revised: 12.01.2022

Print date: 02.03.22

## 1. Identification

### 1.1. Product identifier

Miele ProCare Dent 11 A

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

PC35                      Washing and cleaning products (including solvent based products)

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

**Address:**

Miele Ltd.  
161 Four Valley Drive  
Vaughan, ON L4K 4V8  
Telephone no.            +1-888-325-3957  
www.mieleprofessional.ca

**E-mail address of person responsible for this SDS:**

sida@drweigert.de

**Manufacturer:**

Miele & Cie. KG  
Carl-Miele-Straße 29  
D-33332 Gütersloh  
Telephone no.            +49 5241 89 0  
Fax no.                    +49 5241 89 2090  
www.miele-professional.com

### 1.4. Emergency telephone number

GBK/ Infotrac: (USA domestic) +1 800 535 5053 or international +1 352 323 3500

## 2. Hazard identification

### 2.1. Classification of the substance or mixture

**Classification (Regulation (EC) No. 1272/2008)**

Classification (Regulation (EC) No. 1272/2008)

|               |      |
|---------------|------|
| Skin Corr. 1B | H314 |
| Eye Dam. 1    | H318 |
| STOT SE 3     | H335 |

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008  
For explanation of abbreviations see section 16.

### 2.2. Label elements

**Labelling according to regulation (EC) No 1272/2008****Hazard pictograms**

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### Signal word

Danger

### Hazard statements

H314 Causes severe skin burns and eye damage.  
H335 May cause respiratory irritation.

### Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
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 [or 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 or doctor.  
Dispose only when container is empty and closed. For disposal of product residues, refer to safety data sheet.

### Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains disodium metasilicate

### 2.3. Other hazards

No special hazards have to be mentioned. The product contains no PBT or vPvB substances.

## 3. Composition/Information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients

##### disodium metasilicate pentahydrate

|  |                  |   |      |   |
|--|------------------|---|------|---|
| CAS No.  | 10213-79-3       |   |      |   |
| EINECS no.                                     | 229-912-9        |   |      |   |
| Registration no.                               | 01-2119449811-37 |   |      |   |
| Concentration                                  | >= 25            | < | 50   | % |
| Classification (Regulation (EC) No. 1272/2008) | Skin Corr. 1B    |   | H314 |   |
|  | STOT SE 3        |   | H335 |   |
|  | Eye Dam. 1       |   | H318 |   |
|  | Met. Corr. 1     |   | H290 |   |

##### fatty alcohol, ethoxylated

|  |                   |   |      |   |
|--|-------------------|---|------|---|
| CAS No.  | 146340-16-1       |   |      |   |
| EINECS no.                                     | 604-522-5         |   |      |   |
| Concentration                                  | >= 1              | < | 10   | % |
| Classification (Regulation (EC) No. 1272/2008) | Skin Irrit. 2     |   | H315 |   |
|  | Aquatic Acute 1   |   | H400 |   |
|  | Aquatic Chronic 3 |   | H412 |   |

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## Other information

Complete text of hazard statements in chapter 16

## 4. First-aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated clothing immediately and dispose of safely. In any case show the physician the Safety Data Sheet.

#### After inhalation

Ensure supply of fresh air. When dust is intensively inhaled, seek medical help immediately.

#### After skin contact

Wash off immediately with soap and water. Take medical treatment.

#### After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

#### After ingestion

If swallowed, seek medical advice immediately and show this container or label. Rinse mouth thoroughly with water. Let plenty of water be drunk in small gulps. Do not induce vomiting.

#### Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

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

#### Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

## 5. Fire-fighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

#### Non suitable extinguishing media

Compatible with all usual extinguishing media.

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

In case of combustion evolution of dangerous gases possible.

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighting

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus.

#### Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

## 6. Accidental release measures

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

Avoid contact with skin, eyes and clothing.

## 6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Knock down dust with water spray jet.

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

Pick up mechanically. Dispose of absorbed material in accordance with the regulations.

## 6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

## 7. Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid the formation and deposition of dust. Keep container tightly closed.

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

#### Recommended storage temperature

Value > 0 < 30 °C

#### Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Provide solvent-resistant and impermeable floor.

#### Storage class according to TRGS 510

Storage class according to TRGS 510 8B Non-combustible corrosive hazardous substances

### 7.3. Specific end use(s)

no data

## 8. Exposure controls/Personal protection

### 8.1. Control parameters

#### Other information

There are not known any further control parameters.

### 8.2. Exposure controls

#### General protective and hygiene measures

Do not inhale dust/fumes/aerosols. Avoid contact with skin and eyes. Do not eat, drink or smoke during work time. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

#### Respiratory protection

Use breathing apparatus in dust-laden atmosphere. Particle filter P2

#### Hand protection

Chemical resistant gloves

Use Permanent hand contact

Appropriate Material neoprene

Material thickness >= 0,65

Breakthrough time > 480

Appropriate Material nitrile

Material thickness >= 0,4

Breakthrough time > 480

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|  |                         |
|--|-------------------------|
| Appropriate Material                     | butyl                   |
| Material thickness                       | >= 0,7                  |
| Breakthrough time                        | > 480                   |
| Use                                      | Short-term hand contact |
| Appropriate Material                     | nitrile                 |
| Material thickness                       | >= 0,11                 |
| Hand protection must comply with EN 374. |                         |

**Eye protection**

Safety glasses with side protection shield; Eye protection must comply with EN 166.

## 9. Physical and chemical properties

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

|   |                |
|---|----------------|
| <b>Form</b>   | solid          |
| <b>Colour</b>                                       | white          |
| <b>Odour</b>  | characteristic |
| <b>Odour threshold</b>                              |                |
| Remarks   | not determined |
| <b>pH value</b>                                     |                |
| Value   | appr. 12       |
| Concentration/H <sub>2</sub> O                      | 10 %           |
| Temperature   | 20 °C          |
| <b>Melting point</b>                                |                |
| Remarks   | not determined |
| <b>Freezing point</b>                               |                |
| Remarks   | not determined |
| <b>Initial boiling point and boiling range</b>      |                |
| Remarks   | not determined |
| <b>Flash point</b>                                  |                |
| Remarks   | Not applicable |
| <b>Evaporation rate (ether = 1) :</b>               |                |
| Remarks   | not determined |
| <b>Flammability (solid, gas)</b>                    |                |
| evaluation  | not determined |
| <b>Upper/lower flammability or explosive limits</b> |                |
| Remarks   | Not applicable |
| <b>Vapour pressure</b>                              |                |
| Remarks   | not determined |
| <b>Vapour density</b>                               |                |
| Remarks   | not determined |
| <b>Density</b>                                      |                |
| Remarks   | not determined |
| <b>Solubility in water</b>                          |                |
| Remarks   | soluble        |
| <b>Solubility(ies)</b>                              |                |

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Remarks not determined

### Partition coefficient: n-octanol/water

Remarks not determined

### Ignition temperature

Remarks Not applicable

### Decomposition temperature

Remarks not determined

### Viscosity

Remarks Not applicable

### Explosive properties

evaluation no

### Oxidising properties

evaluation None known

## 9.2. Other information

### Bulk density

Value 1015 to 1065 kg/m<sup>3</sup>

### Other information

None known

## 10. Stability and reactivity

### 10.1. Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

### 10.2. Chemical stability

No hazardous reactions known.

### 10.3. Possibility of hazardous reactions

No hazardous reactions known.

### 10.4. Conditions to avoid

No hazardous reactions known.

### Decomposition temperature

Remarks not determined

### 10.5. Incompatible materials

Strong exothermic reaction with acids.

### 10.6. Hazardous decomposition products

No hazardous decomposition products known.

## 11. Toxicological information

### 11.1. Information on toxicological effects

#### Acute oral toxicity

|         |   |       |
|---------|---|-------|
| Species | rat   |       |
| ATE     | > 2000  | mg/kg |
| Method  | calculated value (Regulation (EC) No. 1272/2008)                  |       |
| Remarks | Based on available data, the classification criteria are not met. |       |

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### Acute oral toxicity (Components)

#### fatty alcohol, ethoxylated

|         |     |      |  |       |
|---------|-----|------|--|-------|
| Species | rat |      |  |       |
| LD50    | >   | 2000 |  | mg/kg |

#### disodium metasilicate pentahydrate

|         |     |      |    |            |
|---------|-----|------|----|------------|
| Species | rat |      |    |            |
| LD50    |     | 1150 | to | 1350 mg/kg |

### Acute dermal toxicity

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

### Acute inhalational toxicity

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

### Skin corrosion/irritation

|            |                                      |
|------------|--------------------------------------|
| evaluation | corrosive                            |
| Remarks    | The classification criteria are met. |

### Serious eye damage/irritation

|            |                                      |
|------------|--------------------------------------|
| evaluation | corrosive                            |
| Remarks    | The classification criteria are met. |

### Sensitization

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

### Subacute, subchronic, chronic toxicity

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

### Mutagenicity

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

### Reproductive toxicity

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

### Carcinogenicity

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

### Specific Target Organ Toxicity (STOT)

#### Single exposure

|            |                                      |
|------------|--------------------------------------|
| Remarks    | The classification criteria are met. |
| evaluation | May cause respiratory irritation.    |

#### Repeated exposure

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

### Aspiration hazard

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

### Experience in practice

Inhalation of dusts may irritate the respiratory tract.

### Other information

There is no data available on the product apart from the information given in this subsection.

## 12. Ecological information

### 12.1. Toxicity

#### General information

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not determined

**Fish toxicity (Components)****fatty alcohol, ethoxylated**

|         |                              |      |
|---------|------------------------------|------|
| Species | golden orfe (Leuciscus idus) |      |
| LC50    | 0,6                          | mg/l |
| Method  | DIN 38412 / Part 15          |      |

**disodium metasilicate pentahydrate**

|                      |                                |      |
|----------------------|--------------------------------|------|
| Species              | zebra fish (Brachydanio rerio) |      |
| LC50                 | 210                            | mg/l |
| Duration of exposure | 96                             | h    |

**Daphnia toxicity (Components)****fatty alcohol, ethoxylated**

|        |                     |      |
|--------|---------------------|------|
| LC50   | 1,2                 | mg/l |
| Method | DIN 38412 / Part 11 |      |

**disodium metasilicate pentahydrate**

|                      |               |      |
|----------------------|---------------|------|
| Species              | Daphnia magna |      |
| EC50                 | 1700          | mg/l |
| Duration of exposure | 48            | h    |

**12.2. Persistence and degradability****General information**

not determined

**Ready degradability (Components)****fatty alcohol, ethoxylated****12.3. Bioaccumulative potential****General information**

not determined

**Partition coefficient: n-octanol/water**

Remarks not determined

**12.4. Mobility in soil****General information**

not determined

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

not determined

**Evaluation of persistence and bioaccumulation potential**

The product contains no PBT or vPvB substances.

**12.6. Other adverse effects****General information**

not determined

**General information / ecology**

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.



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### 13. Disposal considerations

#### 13.1. Waste treatment methods




##### Disposal recommendations for the product

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

##### Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

### 14. Transport information

|                                  | Land transport TDG  | Marine transport IMDG/GGVSee   | Air transport ICAO/IATA   |
|----------------------------------|---|--|---|
| Tunnel restriction code          | E   |  |   |
| IMDG-Code segregation group      |   | 18 Alkalis   |   |
| 14.1. UN number                  | 3253  | 3253   | 3253  |
| 14.2. UN proper shipping name    | DISODIUM TRIOXOSILICATE   | DISODIUM TRIOXOSILICATE  | DISODIUM TRIOXOSILICATE   |
| 14.3. Transport hazard class(es) | 8   | 8  | 8   |
| Label                            |  |  |  |
| 14.4. Packing group              | III   | III  | III   |
| Limited Quantity                 | 5 kg  |  |   |
| Transport category               | 3   |  |   |
| 14.5. Environmental hazards      |   | no   |   |

#### Information for all modes of transport

##### 14.6. Special precautions for user

See Sections 6 to 8

##### Other information

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

Not applicable

### 15. Regulatory information

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

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## Other information

The product does not contain substances of very high concern (SVHC).

## 15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

## 16. Other information

### Hazard statements listed in Chapter 3

|      |  |
|------|--|
| H290 | May be corrosive to metals.                        |
| H314 | Causes severe skin burns and eye damage.           |
| H315 | Causes skin irritation.                            |
| H318 | Causes serious eye damage.                         |
| H335 | May cause respiratory irritation.                  |
| H400 | Very toxic to aquatic life.                        |
| H412 | Harmful to aquatic life with long lasting effects. |

### CLP categories listed in Chapter 3

|                   |  |
|-------------------|--|
| Aquatic Acute 1   | Hazardous to the aquatic environment, acute, Category 1      |
| Aquatic Chronic 3 | Hazardous to the aquatic environment, chronic, Category 3    |
| Eye Dam. 1        | Serious eye damage, Category 1                               |
| Met. Corr. 1      | Substance or mixture corrosive to metals, Category 1         |
| Skin Corr. 1B     | Skin corrosion, Category 1B                                  |
| Skin Irrit. 2     | Skin irritation, Category 2                                  |
| STOT SE 3         | Specific target organ toxicity - single exposure, Category 3 |

### Abbreviations

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses  
IMDG: International Maritime Code for Dangerous Goods  
ICAO: International Civil Aviation Organization  
IATA: International Air Transport Association  
CAS: Chemical Abstracts Service  
VOC: Volatile Organic Compound  
LD: Lethal dose  
LC: Lethal concentration  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: Very persistent and very bioaccumulative  
SVHC: Substances of very high concern  
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978 (MARPOL: Marine Pollution)  
IBC: Intermediate Bulk Container  
OEL: Occupational exposure limit  
TSCA: Toxic Substances Control Act (USA)  
IMO: International Maritime Organization  
GHS: Globally Harmonized System of classification and Labelling of Chemicals  
REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals  
UN: United Nations

### Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*  
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.