

## SAFETY DATA SHEETS

**This SDS packet was issued with item:**

072141760

N/A

**Miele ProCare Dent 10 A**

Version: 3 / US

Replaces Version: - / US Date revised: 23.08.2019

Print date: 06.11.19

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

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**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/Manufacturer**

Miele &amp; Cie. KG

Carl-Miele-Straße 29

33241 Gütersloh

Telephone no.

+49 5241 89 0

Fax no.

+49 5241 89 2090

E-mail address of  
person responsible  
for this SDS

sida@drweigert.de

**Address/Supplier**

Miele Inc.

9 Independence Way

Princeton, NJ 08540

Telephone no.

+1-800-991-9380

**1.4. Emergency telephone number**

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

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to OSHA Hazard Communication Standard 29 CFR 1910:1200**

Classification according to OSHA Hazard Communication Standard 29 CFR 1910:1200

Skin Corr. 1B

H314

Eye Dam. 1

H318

Met. Corr. 1

H290

**2.2. Label elements****Labelling according to OSHA Hazard Communication Standard 29 CFR 1910:1200****Hazard pictograms****Signal word**

Danger

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### Hazard statements

H314 Causes severe skin burns and eye damage.  
H290 May be corrosive to metals.

### Precautionary statements

#### Prevention

P280 Wear protective gloves/protective clothing/eye protection/face protection.

#### Response

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.

#### Storage/Disposal

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

contains disodium metasilicate;dipotassium metasilicate

## 2.3. Other hazards

### Supplemental information

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

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients according to OSHA Hazard Communication Standard 29 CFR 1910:1200

##### disodium metasilicate

CAS No.	6834-92-0				
Concentration	>=	10	<	20	%

##### dipotassium metasilicate

CAS No.	10006-28-7				
Concentration	>=	10	<	20	%

##### potassium hydroxide

CAS No.	1310-58-3				
Concentration			<	1	%

### Other information

Complete text of hazard statements in chapter 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated, soaked clothing immediately and dispose of safely. Clean body thoroughly (bath, shower). In any case show the physician the Safety Data Sheet.

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**After inhalation**

Ensure supply of fresh air. When spray fog inhaled, seek medical aid.

**After skin contact**

After contact with skin, wash immediately with plenty of water. Take medical treatment.

**After eye contact**

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. 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.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Extinguishing measures to suit surroundings

**Non suitable extinguishing media**

Full water jet

**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.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes and clothing. Refer to protective measures listed in Sections 7 and 8.

**6.2. Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

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

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

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**6.4. Reference to other sections**

Refer to protective measures listed in Sections 7 and 8.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Avoid formation of aerosols. Observe the usual precautions for handling chemicals. Keep container tightly closed.

**Advice on protection against fire and explosion**

The product is not combustible.

**7.2. Conditions for safe storage, including any incompatibilities****Recommended storage temperature**

Value &lt; -15 &lt; 30 °C

**Requirements for storage rooms and vessels**

Keep in original packaging, tightly closed. Storage rooms must be properly ventilated. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**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

**SECTION 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**

Hold eye wash fountain available. Hold emergency shower available. Do not inhale gases/vapours/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**

If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Particle filter P2

**Hand protection**

Chemical resistant gloves

Use

Appropriate Material

Material thickness

Breakthrough time

Appropriate Material

Material thickness

Breakthrough time

Appropriate Material

Permanent hand contact

neoprene

&gt;= 0,65

&gt; 480

nitrile

&gt;= 0,4

&gt; 480

butyl

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

### Eye protection

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

### Body protection

Clothing as usual in the chemical industry. Protective shoes

## SECTION 9: Physical and chemical properties

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

**Form** liquid  
**Colour** colourless  
**Odour** characteristic  
**Odour threshold**  
 Remarks not determined  
**pH value**  
 Value appr. 14  
 Temperature 20 °C  
**Melting point**  
 Remarks not determined  
**Freezing point**  
 Remarks not determined  
**Initial boiling point and boiling range**  
 Remarks not determined  
**Flash point**  
 Remarks Not applicable  
**Evaporation rate (ether = 1) :**  
 Remarks not determined  
**Flammability (solid, gas)**  
 Not applicable  
**Upper/lower flammability or explosive limits**  
 Remarks Not applicable  
**Vapour pressure**  
 Remarks not determined  
**Vapour density**  
 Remarks not determined  
**Density**  
 Value 1,48 g/cm<sup>3</sup>  
 Temperature 20 °C  
**Solubility in water**  
 Remarks miscible in all proportions

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### Solubility(ies)

Remarks not determined

### Partition coefficient: n-octanol/water

Remarks not determined

### Ignition temperature

Remarks Not applicable

### Decomposition temperature

Remarks not determined

### Viscosity

#### dynamic

Value	<	50		mPa.s
Temperature		20	°C	

### Explosive properties

evaluation not determined

### Oxidising properties

evaluation None known

## 9.2. Other information

### Other information

None known

## SECTION 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. Corrodes aluminium.

### 10.6. Hazardous decomposition products

Irritant gases/vapours

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute oral toxicity

Species	rat		
LD50	>	2000	mg/kg

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Method	calculated value (Regulation (EC) No. 1272/2008)
Remarks	Based on available data, the classification criteria are not met.

### Acute oral toxicity (Components)

#### potassium hydroxide

Species	rat		
LD50		333	mg/kg

#### disodium metasilicate

Species	rat		
LD50		1150	mg/kg

### Acute dermal toxicity

Remarks	Based on available data, the classification criteria are not met.
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### Acute dermal toxicity (Components)

#### disodium metasilicate

Species	rat		
LD50	>	5000	mg/kg

### Acute inhalational toxicity

Remarks	Based on available data, the classification criteria are not met.
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### 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.
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### Subacute, subchronic, chronic toxicity

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

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

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

Remarks	Based on available data, the classification criteria are not met.
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### National Toxicology Program (NTP)

No component of this product present at levels greater than or equal to 0,1% is identified as a known or reasonably anticipated to be human carcinogen by NTP

### International Agency for research on Cancer (IARC)

No component of this product present at levels greater than or equal to 0,1% is identified as probable, possible or confirmed human carcinogen by IARC

### Specific Target Organ Toxicity (STOT)

#### Repeated exposure

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

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



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### Experience in practice

Inhalation may lead to irritation of the respiratory tract.

### Other information

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

## **SECTION 12: Ecological information**

### 12.1. Toxicity

#### General information

not determined

#### Fish toxicity (Components)

##### disodium metasilicate

Species	mosquito fish		
LC50	2320		mg/l
Duration of exposure	96	h	

##### disodium metasilicate

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

#### Bacteria toxicity (Components)

##### disodium metasilicate

Species	activated sludge		
EC50	> 100		mg/l
Duration of exposure	3	h	

### 12.2. Persistence and degradability

#### General information

not determined

### 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

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### General information / ecology

Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

## SECTION 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.

## SECTION 14: Transport information

	Ground transport DOT	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	1719	1719	1719
14.2. UN proper shipping name	CAUSTIC ALKALI LIQUID, N.O.S. (disodium metasilicate, dipotassium metasilicate)	CAUSTIC ALKALI LIQUID, N.O.S. (disodium metasilicate, dipotassium metasilicate)	CAUSTIC ALKALI LIQUID, N.O.S. (disodium metasilicate, dipotassium metasilicate)
14.3. Transport hazard class(es)	8	8	8
Label			
14.4. Packing group	II	III	III
Limited Quantity	1 I		
Transport category	2		
14.5. Environmental hazards		no	
Tunnel restriction code	E		
IMDG-Code segregation group		18 Alkalis	

### 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

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**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Other information**

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

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355)**

The product does not contain any listed components.

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required**

The product does not contain any listed components.

**California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)**

Warning! This product may contain trace quantities of substance(s) known to the state of California to cause cancer and/or reproductive toxicity – not added as a part of the formulation but remaining as residuals from the manufacturing process of our raw material suppliers.

**SECTION 16: Other information****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

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

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

CAS: Chemical Abstracts Service

ISO: International Organization for Standardization

OEL: Occupational exposure limit

OECD: Organisation for Economic Co-operation and Development

UN: United Nations

IMO: International Maritime Organization

**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.