

## Miele ProCare Dent 10 MA

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**

Miele ProCare Dent 10 MA

#### **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 & 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  
Eye Irrit. 2                                      H319

#### **2.2. Label elements**

##### **Labelling according to OSHA Hazard Communication Standard 29 CFR 1910:1200**

##### **Hazard pictograms**



##### **Signal word**

Warning

##### **Hazard statements**

H319                                      Causes serious eye irritation.

**Miele ProCare Dent 10 MA**

Version: 3 / US

Replaces Version: - / US Date revised: 23.08.2019

Print date: 06.11.19

**Precautionary statements****Prevention**

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

**Response**

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

**Storage/Disposal**

Dispose only when container is empty and closed. For disposal of product residues, refer to Safety Data Sheet.

**2.3. Other hazards****Supplemental information**

No special hazards have to be mentioned.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Hazardous ingredients according to OSHA Hazard Communication Standard 29 CFR 1910:1200****2,2'-iminodiethanol**

CAS No.	111-42-2				
Concentration	>=	1	<	3	%

**fatty alcohols, alkoxyated**

CAS No.	120313-48-6				
Concentration	>=	0,1	<	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.

**After inhalation**

Ensure supply of fresh air. In the event of symptoms take medical treatment.

**After skin contact**

After contact with skin, wash immediately with plenty of water. Consult a doctor if skin irritation persists.

**After eye contact**

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

**After ingestion**

Rinse mouth thoroughly with water.

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

**Miele ProCare Dent 10 MA**

Version: 3 / US

Replaces Version: - / US Date revised: 23.08.2019

Print date: 06.11.19

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**

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

**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.

**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.

**Miele ProCare Dent 10 MA**

Version: 3 / US

Replaces Version: - / US Date revised: 23.08.2019

Print date: 06.11.19

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

Value &gt; 0 &lt; 25 °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 12 Non-combustible liquids

**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. 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.

**Respiratory protection**

Not necessary, but do not inhale vapours. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

**Hand protection**

Chemical resistant gloves

Use Permanent hand contact

Appropriate Material neoprene

Material thickness  $\geq$  0,65

Breakthrough time > 480

Appropriate Material nitrile

Material thickness  $\geq$  0,4

Breakthrough time > 480

Appropriate Material butyl

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.

**SECTION 9: Physical and chemical properties**

**Miele ProCare Dent 10 MA**

Version: 3 / US

Replaces Version: - / US Date revised: 23.08.2019

Print date: 06.11.19

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

<b>Form</b>	liquid
<b>Colour</b>	yellow
<b>Odour</b>	characteristic
<b>Odour threshold</b>	
Remarks	not determined
<b>pH value</b>	
Value	appr. 10,5
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>	
Not applicable	
<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>	
Value	1,08 g/cm <sup>3</sup>
Temperature	20 °C
<b>Solubility in water</b>	
Remarks	miscible in all proportions
<b>Solubility(ies)</b>	
Remarks	not determined
<b>Partition coefficient: n-octanol/water</b>	
Remarks	not determined
<b>Ignition temperature</b>	
Remarks	Not applicable
<b>Decomposition temperature</b>	
Remarks	not determined
<b>Viscosity</b>	
<b>dynamic</b>	
Value	< 10 mPa.s

**Miele ProCare Dent 10 MA**

Version: 3 / US

Replaces Version: - / US Date revised: 23.08.2019

Print date: 06.11.19

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**

None known

**10.6. Hazardous decomposition products**

Irritant gases/vapours

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity**ATE > 10.000 mg/kg  
Method calculated value (Regulation (EC) No. 1272/2008)**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**

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

**Serious eye damage/irritation**evaluation irritant  
Remarks The classification criteria are met.**Sensitization**

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

## Miele ProCare Dent 10 MA

Version: 3 / US

Replaces Version: - / US Date revised: 23.08.2019

Print date: 06.11.19

### 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.

### 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)

Components of this product, which are identified as known or reasonably anticipated to be human carcinogen by IARC, contained greater than or equal to 0,1 %: 2,2',2''-nitrilotriethanol; 2,2'-iminodiethanol

### Specific Target Organ Toxicity (STOT)

#### Single exposure

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

#### 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 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)

##### fatty alcohols, alkoxylated

Species	golden orfe ( <i>Leuciscus idus</i> )			
LC50	1	to	10	mg/l
Duration of exposure	96	h		

#### Daphnia toxicity (Components)

##### fatty alcohols, alkoxylated

Species	Daphnia magna			
EC50	0,1	to	1	mg/l
Duration of exposure	48	h		
Method	OECD 202			

#### Algae toxicity (Components)

##### fatty alcohols, alkoxylated

Species	Scenedesmus subspicatus
---------	-------------------------

## Miele ProCare Dent 10 MA

Version: 3 / US

Replaces Version: - / US Date revised: 23.08.2019

Print date: 06.11.19

EC50 0,1 to 1 mg/l  
 Duration of exposure 72 h  
 Method OECD 201

### 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

#### 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. Do not discharge product unmonitored into the environment.

## 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	Non-dangerous goods	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

### Information for all modes of transport



**Miele ProCare Dent 10 MA**

Version: 3 / US

Replaces Version: - / US Date revised: 23.08.2019

Print date: 06.11.19

**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

**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**

Components: 2,2'-iminodiethanol

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

Warning! This product contains chemical(s) known to the State of California to cause cancer or reproductive toxicity:

2,2'-iminodiethanol

&lt; 5 %

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

IBC: Intermediate Bulk Container

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)

ISO: International Organization for Standardization

OECD: Organisation for Economic Co-operation and Development

IMO: International Maritime Organization

UN: United Nations

EU: European Union

**Supplemental information**

## **Miele ProCare Dent 10 MA**

Version: 3 / US

Replaces Version: - / US Date revised: 23.08.2019

Print date: 06.11.19

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.