

## Miele ProCare Dent 40

Version: 2 / 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 & 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 sida@drweigert.de  
for this SDS

##### **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.

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**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****fatty alcohols, ethoxylated, propoxylated**

CAS No.	68439-51-0				
Concentration	>=	10	<	25	%

**citric acid**

CAS No.	77-92-9				
Concentration	>=	1	<	10	%

**sodium cumenesulfonate**

CAS No.	15763-76-5				
Concentration	>=	1	<	10	%

**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.

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**After ingestion**

Rinse mouth thoroughly with water.

**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**

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

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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 &gt; 0 &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 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	>= 0,65
Breakthrough time	> 480
Appropriate Material	nitrile
Material thickness	>= 0,4
Breakthrough time	> 480
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.

**Body protection**

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Clothing as usual in the chemical industry.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Form</b>	liquid
<b>Colour</b>	colourless
<b>Odour</b>	characteristic
<b>Odour threshold</b>	
Remarks	not determined
<b>pH value</b>	
Value	appr. 2
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 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>	
Value	1,05 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

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**Viscosity****dynamic**

Value	<	50		mPa.s
Temperature		20	°C	

**Explosive properties**

evaluation no

**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**

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

**Acute oral toxicity (Components)****fatty alcohols, ethoxylated, propoxylated**

Species	rat		
LD50	>	2000	mg/kg
Method	EEC 84/449, B.1		

**sodium cumenesulfonate**

Species	rat		
LD50	>	2000	mg/kg
Method	OECD 401		

**citric acid**

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Species	rat		
LD50		11700	mg/kg

### citric acid

Species	mouse		
LD50		5040	mg/kg

### Acute dermal toxicity

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

### Acute dermal toxicity (Components)

#### fatty alcohols, ethoxylated, propoxylated

Species	rat		
LD50	>	5000	mg/kg

### 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

### 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.

### 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)

#### 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.

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### SECTION 12: Ecological information

#### 12.1. Toxicity

##### General information

not determined

##### Fish toxicity (Components)

###### fatty alcohols, ethoxylated, propoxylated

Species	guppy ( <i>Poecilia reticulata</i> )			
LC50	1	to	10	mg/l
Duration of exposure	96	h		
Method	OECD 203			

###### citric acid

Species	golden orfe ( <i>Leuciscus idus</i> )			
LC50	440	to	706	mg/l
Duration of exposure	96	h		

##### Daphnia toxicity (Components)

###### fatty alcohols, ethoxylated, propoxylated

Species	Daphnia magna			
EC50	1	to	10	mg/l
Duration of exposure	48	h		
Method	OECD 202			

###### citric acid

Species	Daphnia magna			
EC50	120			mg/l
Duration of exposure	72	h		

##### Algae toxicity (Components)

###### fatty alcohols, ethoxylated, propoxylated

Species	Scenedesmus subspicatus			
EC50	1	to	10	mg/l
Duration of exposure	72	h		
Method	OECD 201			

##### Bacteria toxicity (Components)

###### fatty alcohols, ethoxylated, propoxylated

Species	Pseudomonas putida			
EC0	>	100		mg/l
Method	OECD 209			

#### 12.2. Persistence and degradability

##### General information

not determined

##### Biodegradability (Components)

###### fatty alcohols, ethoxylated, propoxylated

evaluation Readily biodegradable (according to OECD criteria)

##### Ready degradability (Components)

###### citric acid

Remarks The product is biodegradable.



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### 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

#### 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

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**

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.