

SAFETY DATA SHEETS

This SDS packet was issued with item:

072141877

N/A

Miele ProCare Dent 40

Version: 2 / CA

Replaces Version: - / CA Date revised: 23.08.2019

Print date: 13.11.19

1. Identification

1.1. Product identifier

Miele ProCare Dent 40

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

Eye Irrit. 2

H319

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling

Hazard pictograms



Signal word

Warning

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Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

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

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.

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

2.3. Other hazards

No special hazards have to be mentioned.

3. Composition/Information on ingredients

3.2. Mixtures

Hazardous ingredients

fatty alcohols, ethoxylated, propoxylated

CAS No.	68439-51-0				
Concentration	>= 10	<	25	%	
Classification (Regulation (EC) No. 1272/2008)	Aquatic Chronic 3	H412			

citric acid

CAS No.	77-92-9				
EINECS no.	201-069-1				
Registration no.	01-2119457026-42				
Concentration	>= 1	<	10	%	
Classification (Regulation (EC) No. 1272/2008)	Eye Irrit. 2	H319			

sodium cumenesulfonate

CAS No.	15763-76-5				
EINECS no.	239-854-6				
Registration no.	01-2119489411-37				
Concentration	>= 1	<	10	%	
Classification (Regulation (EC) No. 1272/2008)	Eye Irrit. 2	H319			

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, 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

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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

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

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.

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.

7. Handling and storage

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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 > 0 < 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

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.

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Eye protection

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

Body protection

Clothing as usual in the chemical industry.

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. 2
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)	
evaluation	not determined
Upper/lower flammability or explosive limits	
Remarks	Not applicable
Vapour pressure	
Remarks	not determined
Vapour density	
Remarks	not determined
Density	
Value	1,05 g/cm ³
Temperature	20 °C
Solubility in water	
Remarks	miscible in all proportions
Solubility(ies)	
Remarks	not determined
Partition coefficient: n-octanol/water	
Remarks	not determined
Ignition temperature	

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Remarks Not applicable

Decomposition temperature

Remarks not determined

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

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

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

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Method OECD 401

citric acid

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.

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.

12. Ecological information

12.1. Toxicity

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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.

12.3. Bioaccumulative potential**General information**

not determined

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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.

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
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

15. Regulatory information

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

Water Hazard Class (Germany)

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Water Hazard Class (Germany)	WGK 2
Remarks	Derivation of WGK according to Annex 1 No. 5.2 AwSV

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**

H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
Eye Irrit. 2	Eye irritation, Category 2

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.