

# SAFETY DATA SHEETS

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

072141752

N/A

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

Product identifier

Miele ProCare Dent 11 A

Product group: 501

Relevant identified uses of the substance or mixture and uses advised against

**Use of the substance/mixture**

Cleaning agent.

Details of the supplier of the safety data sheet

**Manufacturer**

Company name: Chemische Fabrik Dr. Weigert GmbH & Co. KG  
Street: Mühlenhagen 85  
Place: D-20539 Hamburg  
Telephone: +49 40 789 60 0  
Telefax: +49 40 789 60 200  
Internet: www.drweigert.de  
Responsible Department: sida@drweigert.de

**Supplier**

Company name: Miele & Cie. KG  
Street: Carl-Miele-Straße 29  
Place: D-33332 Gütersloh  
Telephone: +49 (0)5241/89-0  
Telefax: +49 (0)5241/89-2090  
Internet: www.miele-professional.com  
Responsible Department: sida@drweigert.de

Emergency telephone:

Canada/USA: Emergency Phone number 1-800 535 5053 (from outside Canada/USA: +001 352 323 3500) or emergency hotline 911 or a provincial poison control centre

**SECTION 2: Hazards identification**

Classification of the substance or mixture

Indications of danger: Corrosive, Irritant  
R phrases:  
Causes burns.  
Irritating to respiratory system.

**SECTION 3: Composition/information on ingredients**

Mixtures

**Hazardous components**

CAS No	Chemical name	Quantity
6834-92-0	disodium metasilicate	30 - 35 %
	non-ionic surfactant	1 - 5 %

**SECTION 4: First aid measures**

Description of first aid measures

**After inhalation**

not applicable

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**After contact with skin**

After contact with skin, wash immediately with: Water.

**After contact with eyes**

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

**After ingestion**

Rinse mouth thoroughly with water. Do not induce vomiting. Consult physician immediately.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

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

Water fog. Water. Foam.

**Extinguishing media which must not be used for safety reasons**

none / none

**Special hazards arising from the substance or mixture**

none / none

**Advice for firefighters**

none / none

**Additional information**

Extinguishing materials should be selected according to the surrounding area.

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

Wear personal protection equipment.

**Environmental precautions**

Do not empty into drains or the aquatic environment.

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

Remove mechanically, placing in appropriate containers for disposal.

**Reference to other sections**

not applicable

**SECTION 7: Handling and storage****Precautions for safe handling****Advice on safe handling**All working processes must always be organised so that the following can be ruled out: skin contact.  
Eye contact.**Advice on protection against fire and explosion**

No special fire protection measures are necessary.

**Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

No special technical protective measures are necessary.

**Further information on storage conditions**

Protect against: moisture.

**Specific end use(s)**

No data available

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**SECTION 8: Exposure controls/personal protection****Control parameters****Exposure controls****Protective and hygiene measures**

Do not eat, drink, smoke or sneeze at the workplace.

**Hand protection**

Type of chemical protective gloves to choose depends on the concentration and quantity of dangerous substances as well as on work place specifications. Suitable material: Butyl rubber. NBR (Nitrile rubber). EN 374

**Eye protection**

Tightly sealed safety glasses. EN 166

**Skin protection**

Take off immediately all contaminated clothing

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

Physical state:	solid
Colour:	white
Odour:	characteristic

pH-Value:	> 12 (10 %)
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**Test method****Changes in the physical state**

Melting point:	No data available
Boiling point:	No data available
Flash point:	not applicable
Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Ignition temperature:	not applicable

**Oxidizing properties**

none / none

Vapour pressure:	No data available
Density:	No data available
Water solubility:	easily soluble.
Partition coefficient:	No data available
Vapour density:	No data available

**Other information**

No data available

**SECTION 10: Stability and reactivity****Conditions to avoid**

Keep the packing dry and well sealed to prevent contamination and absorption of dampness.

**Incompatible materials**

Reacts with : acid, concentrated. Water.

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**Hazardous decomposition products**

No data available

**SECTION 11: Toxicological information**

**Information on toxicological effects**

**Acute toxicity**

Acute toxicity, oral LD50: calculated. mg/kg bw: > 3300 mg/kg

**Irritation and corrosivity**

corrosive.

**Sensitizing effects**

none / none

**Severe effects after repeated or prolonged exposure**

none / none

**Carcinogenic/mutagenic/toxic effects for reproduction**

none / none

**Name of toxicologically synergistic products**

No data available

**Further information**

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

**SECTION 12: Ecological information**

**Persistence and degradability**

The surfactants contained in the product are biodegradable according to the requirements of the Detergent Directive 648/2004/EC.

**Bioaccumulative potential**

No indication of bio-accumulation potential.

**Mobility in soil**

No data available

**Other adverse effects**

due to the alkaline character of the product, usually, it has to be neutralized before contaminated effluents are introduced into the waste water treatment system.

**Further information**

The evaluation was carried out according to the calculation method of the Preparations Directive.

**SECTION 13: Disposal considerations**

**Waste treatment methods**

**Advice on disposal**

Consult the local waste disposal expert about waste disposal. According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

**Contaminated packaging**

Completely emptied packings can be re-cycled.

**SECTION 14: Transport information**

**Canadian TDG**

**UN/ID number:**

UN3253

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**Proper shipping name** DISODIUM TRIOXOSILICATE  
**Hazard classes:** 8  
**Packing group:** III  
Hazard label: 8  
Limited quantity: 5 kg

#### Marine transport (IMDG)

**UN number:** UN3253  
**UN proper shipping name:** DISODIUM TRIOXOSILICATE  
**Transport hazard class(es):** 8  
**Packing group:** III  
Hazard label: 8



Marine pollutant: no  
Limited quantity: 5 kg  
EmS: F-A, S-B  
Segregation group: alkalis

**Other applicable information (marine transport)**  
E1

#### Air transport (ICAO)

**UN number:** UN3253  
**UN proper shipping name:** DISODIUM TRIOXOSILICATE  
**Transport hazard class(es):** 8  
**Packing group:** III  
Hazard label: 8



Limited quantity Passenger: 5 kg  
IATA-packing instructions - Passenger: 860  
IATA-max. quantity - Passenger: 25 kg  
IATA-packing instructions - Cargo: 864  
IATA-max. quantity - Cargo: 100 kg

**Other applicable information (air transport)**  
E1

### SECTION 15: Regulatory information

#### Canadian regulations

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

#### DSL/NDSL inventory status

All ingredients are listed on the DSL/NDSL.

#### WHMIS classification

Class E - Corrosive



**SECTION 16: Other information**

**Further Information**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*

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Version: 1 / US

Replaces Version: - / US

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## 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

#### Use of the substance/preparation

Washing and cleaning products (including solvent based products)

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

#### Address:

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

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

sida@drweigert.de

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

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

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

#### Classification in accordance with EC directives 1999/45/EC and 67/548/EEC

Classification C, R34  
Xi, R37

### 2.2. Label elements

#### Labelling according to regulation (EC) No 1272/2008

#### Hazard pictograms



#### Signal word

Danger

#### Hazard statements

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

#### Precautionary statements



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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/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

## Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

The product is classified and labelled in accordance with EC directives/the relevant national laws.

### Hazard symbols



corrosive

### R phrases

- 34 Causes burns.  
37 Irritating to respiratory system.

### S phrases

- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
27/28 After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of . . . (to be specified by the manufacturer).  
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## Hazardous component(s) to be indicated on label

contains disodium metasilicate pentahydrate

## 2.3. Other hazards

No special hazards have to be mentioned.

## SECTION 3: Composition/information on ingredients

### Hazardous ingredients

#### fatty alcohol, ethoxylated

CAS No. 146340-16-1  
EINECS no. 604-522-5  
Concentration  $\geq 1 < 10$  %  
Classification Xi, R36/38  
N, R50

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

Skin Irrit. 2	H315
Eye Irrit. 2	H319
Aquatic Acute 1	H400

#### disodium metasilicate pentahydrate

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CAS No. 10213-79-3  
EINECS no. 229-912-9  
Concentration >= 25 < 50 %  
Classification C, R34  
Xi, R37

Classification (Regulation (EC) No. 1272/2008)  
Skin Corr. 1B H314  
STOT SE 3 H335  
Eye Dam. 1 H318  
Met. Corr. 1 H290

## SECTION 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.

## 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

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

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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.

### 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.

## SECTION 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

#### 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

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Other information

Contains no substances with occupational exposure limit values.

### 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. Dust mask

#### Hand protection

Chemical resistant gloves	
Appropriate Material	neoprene
Appropriate Material	vinyl
Appropriate Material	butyl rubber
Appropriate Material	nitrile

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## Eye protection

Safety glasses with side protection shield

## SECTION 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 %
<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 determined
<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	not determined
<b>Solubility(ies)</b>	
Remarks	not determined
<b>Partition coefficient: n-octanol/water</b>	
Remarks	not determined
<b>Ignition temperature</b>	
Remarks	not determined
<b>Decomposition temperature</b>	
Remarks	not determined
<b>Viscosity</b>	
Remarks	not determined

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## 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.

### 10.6. Hazardous decomposition products

Irritant gases/vapours

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute oral toxicity

Remarks not determined

#### Acute dermal toxicity

Remarks not determined

#### Acute inhalational toxicity

Remarks not determined

#### Skin corrosion/irritation

Remarks not determined

#### Serious eye damage/irritation

Remarks not determined

#### Sensitization

Remarks not determined

#### Subacute, subchronic, chronic toxicity

Remarks not determined

#### Mutagenicity

Remarks not determined

#### Reproductive toxicity

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Remarks not determined

## **Carcinogenicity**

Remarks not determined

## **Specific Target Organ Toxicity (STOT)**

Remarks not determined

## **Experience in practice**

Inhalation of dusts may irritate the respiratory tract.

## **Other information**

No toxicological data are available.

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

#### **General information**

not determined

### **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

### **12.6. Other adverse effects**

#### **General information**

not determined

#### **General information / ecology**

Do not allow to enter soil, waterways or waste water canal.

## **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**

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## Land transport ADR/RID

### 14.1. UN number

UN 3253

### 14.2. UN proper shipping name

DISODIUM TRIOXOSILICATE, mixture

### 14.3. Transport hazard class(es)

Class 8

Label 8

### 14.4. Packing group

Packing group III

Limited Quantity 5 kg

Transport category 3

Tunnel restriction code E

## Marine transport IMDG/GGVSee

### 14.1. UN number

UN 3253

### 14.2. UN proper shipping name

DISODIUM TRIOXOSILICATE, mixture

### 14.3. Transport hazard class(es)

Class 8

### 14.4. Packing group

Packing group III

### 14.5. Environmental hazards

no

IMDG-Code segregation 18 Alkalis

group

## Air transport ICAO/IATA

### 14.1. UN number

UN 3253

### 14.2. UN proper shipping name

DISODIUM TRIOXOSILICATE, mixture

### 14.3. Transport hazard class(es)

Class 8

### 14.4. Packing group

Packing group III

## 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 MARPOL73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### Water Hazard Class (Germany)

Water Hazard Class WGK 1

(Germany)

Remarks Classification according to Annex 4 VwVwS

#### Other information

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

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## 15.2. Chemical safety assessment

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

## SECTION 16: Other information

### R-phrases listed in Chapter 3

34	Causes burns.
36/38	Irritating to eyes and skin.
37	Irritating to respiratory system.
50	Very toxic to aquatic organisms.

### 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.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.

### CLP categories listed in Chapter 3

Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation, Category 2
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

### 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.