

Trade name: Miele ProCare Lab 11 AP

Version: 3 / US

Replaces Version: 2 / US Date revised: 13.05.2022

Print date: 13.05.22

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

### **1.1. Product identifier**

Miele ProCare Lab 11 AP

### **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

STOT SE 3

H335

### **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.  
H335 May cause respiratory irritation.

## Precautionary statements

### Prevention

P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
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;sodium carbonate peroxyhydrate

## 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 pentahydrate

CAS No.	10213-79-3				
Concentration	>=	25	<	50	%

##### sodium carbonate

CAS No.	497-19-8				
Concentration	>=	25	<	50	%

##### sodium carbonate peroxyhydrate

CAS No.	15630-89-4				
Concentration	>=	5	<	15	%

##### fatty alcohol, ethoxylated

CAS No.	146340-16-1				
Concentration	>=	0,1	<	1	%

### Other information

Complete text of hazard statements in chapter 16

## SECTION 4: First aid measures

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#### 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 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.

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**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****Recommended storage temperature**

Value &gt; 0 &lt; 25 °C

**Requirements for storage rooms and vessels**

Keep in original packaging, tightly closed.

**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**

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. Particle filter P2

**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

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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.

## 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	> 13
Concentration/H <sub>2</sub> O	10 %
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>	
Remarks	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>	
Remarks	not determined
<b>Solubility in water</b>	
Remarks	soluble
<b>Solubility(ies)</b>	
Remarks	not determined

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## Partition coefficient: n-octanol/water

Remarks not determined

## Ignition temperature

Remarks Not applicable

## Decomposition temperature

Remarks not determined

## Viscosity

Remarks Not applicable

## Explosive properties

evaluation no

## Oxidising properties

evaluation None known

## 9.2. Other information

### Bulk density

Value appr. 970 kg/m<sup>3</sup>

### 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

Contact with acids liberates irritant gases.

### 10.6. Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute oral toxicity

Species	rat	
ATE	> 2000	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	
Remarks	Based on available data, the classification criteria are not met.	

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### Acute oral toxicity (Components)

#### sodium carbonate peroxyhydrate

Species	rat		
LD50	1034		mg/kg
Method	Value taken from the literature		

#### disodium metasilicate pentahydrate

Species	rat		
LD50	1150	to	1350 mg/kg

#### fatty alcohol, ethoxylated

Species	rat		
LD50	> 2000		mg/kg

#### Sodium carbonate

Species	rat		
LD50	2800		mg/kg

### Acute dermal toxicity

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

### Acute dermal toxicity (Components)

#### sodium carbonate peroxyhydrate

Species	rabbit		
LD50	> 2000		mg/kg
Method	OECD 402		

#### Sodium carbonate

Species	rabbit		
LD50	> 2000		mg/kg

### Acute inhalational toxicity

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

### Acute inhalative toxicity (Components)

#### Sodium carbonate

Species	mouse		
LC50	1,2		mg/l
Duration of exposure	2	h	

#### Sodium carbonate

Species	rat		
LC50	2,3		mg/l
Duration of exposure	2	h	

### Skin corrosion/irritation

evaluation	corrosive
Remarks	The classification criteria are met.

### Skin corrosion/irritation (Components)

#### sodium carbonate peroxyhydrate

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

### Serious eye damage/irritation

evaluation	corrosive
Remarks	The classification criteria are met.

### Serious eye damage/irritation (Components)

#### sodium carbonate peroxyhydrate

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Species evaluation	rabbit eye
Method	irritant - risk of serious damage to eyes
	OECD 405

**Sensitization**

Remarks	Based on available data, the classification criteria are not met.
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**Sensitization (Components)****sodium carbonate peroxyhydrate**

Route of exposure	dermal
Species	guinea pig
evaluation	non-sensitizing
Method	OECD 406

**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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**Reproduction toxicity (Components)****Sodium carbonate**

Remarks	No indications of toxic effects were observed in reproduction studies in animals.
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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)****Single exposure**

Remarks	The classification criteria are met.
evaluation	May cause respiratory irritation.

**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.

**Experience in practice**

Inhalation of dusts may irritate 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**



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## General information

not determined

## Fish toxicity (Components)

### sodium carbonate peroxyhydrate

Species	Fathead minnow ( <i>Pimephales promelas</i> )		
LC50	70,7		mg/l
Duration of exposure	96	h	

### disodium metasilicate pentahydrate

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

### fatty alcohol, ethoxylated

Species	golden orfe ( <i>Leuciscus idus</i> )		
LC50	0,6		mg/l
Method	DIN 38412 / Part 15		

### Sodium carbonate

Species	Bluegill ( <i>Lepomis macrochirus</i> )		
LC50	300		mg/l
Duration of exposure	96	h	

## Daphnia toxicity (Components)

### sodium carbonate peroxyhydrate

Species	Daphnia pulex		
EC50	4,9		mg/l
Duration of exposure	48	h	

### sodium carbonate peroxyhydrate

Species	Daphnia pulex		
NOEC	2		mg/l
Duration of exposure	48	h	

### disodium metasilicate pentahydrate

Species	Daphnia magna		
EC50	1700		mg/l
Duration of exposure	48	h	

### fatty alcohol, ethoxylated

LC50	1,2		mg/l
Method	DIN 38412 / Part 11		

### Sodium carbonate

Species	Ceriodaphnia spec		
EC50	200	to	227 mg/l
Duration of exposure	48	h	

## Bacteria toxicity (Components)

### sodium carbonate peroxyhydrate

Species	activated sludge		
EC50	466		mg/l
Duration of exposure	30	min	

## 12.2. Persistence and degradability

### General information

not determined

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**Ready degradability (Components)**

fatty alcohol, ethoxylated

**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

**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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	Ground transport DOT	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	E		
IMDG-Code segregation group		18 Alkalis	
14.1. UN number	3253	3253	3253
14.2. UN proper shipping name	DISODIUM TRIOXOSILICATE	DISODIUM TRIOXOSILICATE	DISODIUM TRIOXOSILICATE
14.3. Transport hazard class(es)	8	8	8
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 kg		
Transport category	3		
14.5. Environmental hazards		no	

## 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

## 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 302Extremely 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 313Toxic 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

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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  
ICAO: International Civil Aviation Organization  
IATA: International Air Transport Association  
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)  
IBC: Intermediate Bulk Container  
OEL: Occupational exposure limit  
TSCA: Toxic Substances Control Act (USA)  
IMO: International Maritime Organization  
GHS: Globally Harmonized System of classification and Labelling of Chemicals  
REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals  
UN: United Nations

### **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.