

# Miele ProCare Lab 11 MA

Version: 4 / CA

Replaces Version: 3 / CA Date revised: 12.01.2022

Print date: 13.05.22

## 1. Identification

### 1.1. Product identifier

Miele ProCare Lab 11 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:

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 (Regulation (EC) No. 1272/2008)

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

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

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008  
For explanation of abbreviations see section 16.

### 2.2. Label elements

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

#### Hazard pictograms

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### Signal word

Danger

### Hazard statements

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

### Precautionary statements

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 [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.  
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

### 2.3. Other hazards

No special hazards have to be mentioned. The product contains no PBT or vPvB substances.

## 3. Composition/Information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients

##### disodium metasilicate pentahydrate

|                                                |                  |   |      |   |
|------------------------------------------------|------------------|---|------|---|
| CAS No.                                        | 10213-79-3       |   |      |   |
| EINECS no.                                     | 229-912-9        |   |      |   |
| Registration no.                               | 01-2119449811-37 |   |      |   |
| Concentration                                  | >= 50            | < | 57   | % |
| Classification (Regulation (EC) No. 1272/2008) |                  |   |      |   |
|                                                | Skin Corr. 1B    |   | H314 |   |
|                                                | STOT SE 3        |   | H335 |   |
|                                                | Eye Dam. 1       |   | H318 |   |
|                                                | Met. Corr. 1     |   | H290 |   |

##### fatty alcohol, ethoxylated

|                                                |                   |   |      |   |
|------------------------------------------------|-------------------|---|------|---|
| CAS No.                                        | 146340-16-1       |   |      |   |
| EINECS no.                                     | 604-522-5         |   |      |   |
| Concentration                                  | >= 1              | < | 10   | % |
| Classification (Regulation (EC) No. 1272/2008) |                   |   |      |   |
|                                                | Skin Irrit. 2     |   | H315 |   |
|                                                | Aquatic Acute 1   |   | H400 |   |
|                                                | Aquatic Chronic 3 |   | H412 |   |

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**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 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.

**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**

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.

**6. Accidental release measures**

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## 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.

## 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; 30 °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

## 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                  |

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|                                          |                         |
|------------------------------------------|-------------------------|
| 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.

## 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 ignitable  |
| <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

Remarks Not applicable

## 9.2. Other information

### Bulk density

Value 0,915 to 0,965 g/cm<sup>3</sup>

### 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

Strong exothermic reaction with acids.

### 10.6. Hazardous decomposition products

No hazardous decomposition products known.

## 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.

#### Acute oral toxicity (Components)

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### disodium metasilicate pentahydrate

Species rat  
LD50 1150 to 1350 mg/kg

### fatty alcohol, ethoxylated

Species rat  
LD50 > 2000 mg/kg

### 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

evaluation corrosive  
Remarks The classification criteria are met.

### Serious eye damage/irritation

evaluation corrosive  
Remarks The classification criteria are met.

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

#### 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 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.

## 12. Ecological information

### 12.1. Toxicity

#### General information

not determined

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**Fish toxicity (Components)****fatty alcohol, ethoxylated**

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

**disodium metasilicate pentahydrate**

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

**Daphnia toxicity (Components)****fatty alcohol, ethoxylated**

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

**disodium metasilicate pentahydrate**

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

**12.2. Persistence and degradability****General information**

not determined

**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**

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.



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### 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                                                               |
|----------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 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

### 15. Regulatory information

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

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**Water Hazard Class (Germany)**

Water Hazard Class (Germany) WGK 1

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**

|      |                                                    |
|------|----------------------------------------------------|
| H290 | May be corrosive to metals.                        |
| H314 | Causes severe skin burns and eye damage.           |
| H315 | Causes skin irritation.                            |
| H318 | Causes serious eye damage.                         |
| H335 | May cause respiratory irritation.                  |
| H400 | Very toxic to aquatic life.                        |
| H412 | Harmful to aquatic life with long lasting effects. |

**CLP categories listed in Chapter 3**

|                   |                                                              |
|-------------------|--------------------------------------------------------------|
| Aquatic Acute 1   | Hazardous to the aquatic environment, acute, Category 1      |
| Aquatic Chronic 3 | Hazardous to the aquatic environment, chronic, Category 3    |
| Eye Dam. 1        | Serious eye damage, Category 1                               |
| 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 |

**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

Safety data sheet in accordance with Hazardous Products Regulations Schedule 1

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### 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.