

Miele ProCare Lab 11 MA

Version: 4 / GB

Replaces Version: 3 / GB Date revised: 05.09.2022

Print date: 21.12.22

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

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 & 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

Emergency telephone number: 112

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 |

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



Signal word

Danger

Hazard statements

H314 Causes severe skin burns and eye damage.

Miele ProCare Lab 11 MA

Version: 4 / GB

Replaces Version: 3 / GB Date revised: 05.09.2022

Print date: 21.12.22

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 substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 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 | | | % |
| 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 | |

Other information

Complete text of hazard statements in chapter 16

SECTION 4: First aid measures

4.1. Description of first aid measures

Miele ProCare Lab 11 MA

Version: 4 / GB

Replaces Version: 3 / GB Date revised: 05.09.2022

Print date: 21.12.22

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.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Knock down dust with water spray jet.

Miele ProCare Lab 11 MA

Version: 4 / GB

Replaces Version: 3 / GB Date revised: 05.09.2022

Print date: 21.12.22

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 > 0 < 30 °C

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed.

Storage classes

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

Appropriate Material

Material thickness

Breakthrough time

Appropriate Material

Material thickness

Breakthrough time

Appropriate Material

Material thickness

Breakthrough time

Use

Appropriate Material

Permanent hand contact

neoprene

>= 0,65 mm

> 480 min

nitrile

>= 0,4 mm

> 480 min

butyl

>= 0,7 mm

> 480 min

Short-term hand contact

nitrile

Miele ProCare Lab 11 MA

Version: 4 / GB

Replaces Version: 3 / GB Date revised: 05.09.2022

Print date: 21.12.22

Material thickness \geq 0,11 mm

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

Physical state solid
Colour white
Odour characteristic

Melting point
Remarks not determined

Freezing point
Remarks not determined

Boiling point or initial boiling point and boiling range
Remarks not determined

Flammability
evaluation Not ignitable

Upper and lower explosive limits
Remarks Not applicable

Flash point
Remarks Not applicable

Ignition temperature
Remarks Not applicable

Decomposition temperature
Remarks
Remarks not determined

pH value
Value appr. 12
Concentration/H₂O 10 %

Viscosity
Remarks Not applicable

Solubility(ies)
Remarks not determined

Partition coefficient n-octanol/water (log value)
Remarks not determined

Vapour pressure
Remarks not determined

Density and/or relative density
Remarks not determined

Relative vapour density
Remarks not determined

9.2. Other information

Miele ProCare Lab 11 MA

Version: 4 / GB

Replaces Version: 3 / GB Date revised: 05.09.2022

Print date: 21.12.22

Odour threshold

Remarks not determined

Evaporation rate (ether = 1) :

Remarks not determined

Solubility in water

Remarks soluble

Explosive properties

evaluation no

Oxidising properties

Remarks Not applicable

Bulk density

Value 0,915 to 0,965 g/cm³

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.

10.5. Incompatible materials

Strong exothermic reaction with acids.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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)

disodium metasilicate pentahydrate

| | | |
|---------|--------------|-------|
| Species | rat | |
| LD50 | 1150 to 1350 | mg/kg |

fatty alcohol, ethoxylated

| | | |
|---------|--------|-------|
| Species | rat | |
| LD50 | > 2000 | mg/kg |

Miele ProCare Lab 11 MA

Version: 4 / GB

Replaces Version: 3 / GB Date revised: 05.09.2022

Print date: 21.12.22

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.

11.2 Information on other hazards**Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

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****General information**

not determined

Fish toxicity (Components)

Miele ProCare Lab 11 MA

Version: 4 / GB

Replaces Version: 3 / GB Date revised: 05.09.2022

Print date: 21.12.22

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 | <i>Daphnia magna</i> | |
| 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 (log value)

Remarks not determined

12.4. Mobility in soil**General information**

not determined

12.5. Results of PBT and vPvB assessment**General information**

not determined

Results of PBT and vPvB assessment

The product contains no PBT or vPvB substances.

12.6 Endocrine disrupting properties**Endocrine disrupting properties with respect to the environment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects**General information**

not determined

General information / ecology

Miele ProCare Lab 11 MA

Version: 4 / GB

Replaces Version: 3 / GB Date revised: 05.09.2022

Print date: 21.12.22

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




EWC waste code 18 01 06* chemicals consisting of or containing dangerous substances
EWC waste code 20 01 29* detergents containing dangerous substances
The listed waste code numbers, according to the European Waste Catalogue (EWC), are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

Disposal recommendations for packaging

EWC waste code 15 01 02 plastic packaging
Completely emptied packagings can be given for recycling.
EWC waste code 15 01 10* packaging containing residues of or contaminated by dangerous substances

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

SECTION 14: Transport information

| | Land transport ADR/RID | Marine transport IMDG/GGVSee | Air transport ICAO/IATA |
|----------------------------------|---|--|---|
| Tunnel restriction code | E | | |
| IMDG-Code segregation group | | 18 Alkalis | |
| 14.1. UN number or ID 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 | 5 kg | |
| Transport category | 3 | | |
| 14.5. Environmental hazards | | no | |

Information for all modes of transport

Miele ProCare Lab 11 MA

Version: 4 / GB

Replaces Version: 3 / GB Date revised: 05.09.2022

Print date: 21.12.22

14.6. Special precautions for user

See Sections 6 to 8

Other information**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Ingredients (Regulation (EC) No 648/2004)****30 % and more:**

phosphates

less than 5 %:

non-ionic surfactants

Water Hazard Class (Germany)

Water Hazard Class WGK 1

(Germany)

Remarks

Derivation of WGK according to Annex 1 No. 5.2 AwSV

VOC

VOC (EU) 0 %

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.

SECTION 16: Other information**Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:**

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

Skin Corr. 1B H314

Eye Dam. 1 H318

STOT SE 3 H335

Hazard statements listed in Chapter 2/3

| | |
|------|--|
| 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 2/3

| | |
|-------------------|---|
| 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 |

Miele ProCare Lab 11 MA

Version: 4 / GB

Replaces Version: 3 / GB Date revised: 05.09.2022

Print date: 21.12.22

Skin Corr. 1B

Skin Irrit. 2

STOT SE 3

Skin corrosion, Category 1B

Skin irritation, Category 2

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

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.