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

1.1. Product identifier

Trade name

ProCare Tex 11

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

Use of the substance/mixture

Detergent

1.3. Details of the supplier of the safety data sheet

Address/Supplier

Miele & Cie. KG
Carl-Miele-Str. 29
33332 Gütersloh
Telephone no. +49 5241 89 0
Fax no. +49 5241 89 2090
Web: www.miele-professional.com

Address/Manufacturer

BÜFA Cleaning GmbH & Co. KG
August-Hanken-Str. 30
26125 Oldenburg
Telephone no. +49 441 9317 0
Fax no. +49 441 9317 100
Information provided by / telephone Department product safety / +49 441 9317 108
E-Mail sds-cleaning@buefa.de

1.4. Emergency telephone number

Poison Information Center Goettingen: +49 551 19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Eye Irrit. 2 H319
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

Warning

Hazard statements

H319	Causes serious eye irritation.

Precautionary statements

P280.9	Wear eye 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.
P310	Immediately call a POISON CENTER or doctor.

2.3. Other hazards

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

sodium carbonate

CAS No.	497-19-8					
EINECS no.	207-838-8					
Registration no.	01-2119485498-19-XXXX					
Concentration		>=	25	<	50	%
Eye Irrit. 2	H319					

sodium carbonate peroxyhydrate

CAS No.	15630-89-4					
EINECS no.	239-707-6					
Registration no.	01-2119457268-30-XXXX					
Concentration		>=	3	<	7,5	%
Acute Tox. 4	H302					
Eye Dam. 1	H318					
Ox. Sol. 3	H272					

Concentration limits (Regulation (EC) No. 1272/2008)

	Eye Dam. 1	H318	>= 25 %
	Eye Irrit. 2	H319	>= 7,5 < 25 %
ATE	oral	1.034	mg/kg

Sodium dodecylbenzenesulfonate

CAS No.	25155-30-0					
EINECS no.	246-680-4					
Registration no.	01-2120088038-51-XXXX					
Concentration		>=	3	<	5,3	%
Acute Tox. 4	H302					
Skin Irrit. 2	H315					
Eye Dam. 1	H318					

cATpE	oral	500	mg/kg

Silicic acid, sodium salt

CAS No.	1344-09-8					
EINECS no.	215-687-4					
Registration no.	01-2119448725-31-XXXX					
Concentration		>=	1	<	4,6	%
Skin Irrit. 2	H315					
Eye Irrit. 2	H319					

STOT SE 3 H335

Alcohol C12-C14, ethoxylated (>2-5 EO)

CAS No.	68439-50-9				
EINECS no.	500-213-3				
Registration no.	01-2119487984-16-XXXX				
Concentration	>=	1	<	10	%
Eye Irrit. 2	H319				
Aquatic Acute 1	H400				
Aquatic Chronic 3	H412				

Concentration limits (Regulation (EC) No. 1272/2008)

Eye Irrit. 2	H319	>= 1 < 10 %
Eye Dam. 1	H318	>= 10 %

Sodium palmitat

CAS No.	408-35-5				
EINECS no.	206-988-1				
Concentration	>=	1	<	10	%
Eye Irrit. 2	H319				

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Ensure supply of fresh air. Summon a doctor immediately.

After skin contact

Wash off immediately with soap and water.

After eye contact

In case of contact with the eyes rinse thoroughly with plenty of water or with an eye-cleaning solution. Seek medical advice immediately.

After ingestion

Rinse out mouth and give plenty of water to drink. Seek medical advice immediately.

4.2. Most important symptoms and effects, both acute and delayed

There is no further relevant information available

4.3. Indication of any immediate medical attention and special treatment needed

There is no further relevant information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Dry powder, Water spray jet, Foam

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

None known

5.3. Advice for firefighters

Fire residues must be disposed of in a proper manner.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Use breathing apparatus if exposed to vapours/dust/aerosol. Use personal protective clothing.

6.2. Environmental precautions

Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

When picked up, treat material as prescribed under Section 13 "Disposal".

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

Avoid dust formation. Provide exhaust ventilation if dust is formed.

7.2. Conditions for safe storage, including any incompatibilities

Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Keep container tightly closed, cool and dry.

7.3. Specific end use(s)

No information available

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

General protective and hygiene measures

Observe the usual precautions for handling chemicals. The following information on personal protective equipment (PPE) is to be understood as a suggestion. The selection of the necessary PPE must be considered by the employer depending on the activities to be carried out and the local conditions. If it is determined during the on-site risk assessment that there is no danger to the employee, there is no need to wear PPE or the scope of the PPE to be used can be adjusted accordingly.

Respiratory protection

Use breathing apparatus in dust-laden atmosphere. Short term: filter apparatus, Filter P3

Hand protection

Chemical resistant gloves

Appropriate Material	nitrile		
Material thickness	>	0,35	mm
Breakthrough time	>	480	min

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leaktightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Eye protection

Tightly fitting safety glasses

Body protection

Impermeable protective clothing

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Powder
Colour white
Odour Product specific

Melting point
Remarks not determined

Explosion limits
Remarks irrelevant (solid)

Flash point
Remarks Not applicable

Ignition temperature
Remarks irrelevant (solid)

Thermal decomposition
Remarks Not relevant

pH value
Value appr. 11

Solubility in other solvents
not determined

Octanol/water partition coefficient (log Pow)
Remarks not determined

Vapour pressure
Remarks not determined

Vapour density
Remarks irrelevant (solid)

Particle characteristics
Remarks not determined

9.2. Other information

Odour threshold
Remarks No data available

Solubility in water
Remarks soluble

Bulk density
Bulk density appr. 620 kg/dm³

SECTION 10: Stability and reactivity

10.1. Reactivity
No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability
The product is stable.

10.3. Possibility of hazardous reactions
Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

Protect against wetness.

Thermal decomposition

Remarks Not relevant

10.5. Incompatible materials

No hazardous reactions when stored and handled according to prescribed instructions.

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

ATE	5.838	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

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

Acute oral toxicity (Components)

Silicic acid, sodium salt

Reference substance	Silicic acid, sodium salt			
Species	rat			
LD50	3400	to	5150	mg/kg
Source	Literature value			

sodium carbonate peroxyhydrate

Species	rat	
LD50	1034	mg/kg

Acute dermal toxicity

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

Acute dermal toxicity (Components)

Silicic acid, sodium salt

Reference substance	Silicic acid, sodium salt	
Species	rat	
LD50	5000	mg/kg

Acute inhalational toxicity

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

Acute inhalative toxicity (Components)

Silicic acid, sodium salt

Reference substance	Silicic acid, sodium salt	
Species	rat	
LC50	2,06	mg/l
Duration of exposure	4 h	

Skin corrosion/irritation

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

Serious eye damage/irritation

evaluation irritant

The classification criteria are met.

Sensitization

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

Sensitization (Components)

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

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

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

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

Specific Target Organ Toxicity (STOT)

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

Repeated exposure
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.

SECTION 12: Ecological information

12.1. Toxicity

Fish toxicity

Silicic acid, sodium salt

Reference substance	Silicic acid, sodium salt		
Species	zebra fish (Brachydanio rerio)		
LC50	1108		mg/l
Duration of exposure	96	h	

sodium carbonate peroxyhydrate

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

Daphnia toxicity

Silicic acid, sodium salt

Reference substance	Silicic acid, sodium salt		
Species	Daphnia magna		
EC50	1700		mg/l
Duration of exposure	48	h	

sodium carbonate peroxyhydrate

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

Algae toxicity
For this subsection there is no ecotoxicological data available on the product as such.

Bacteria toxicity
For this subsection there is no ecotoxicological data available on the product as such.

12.2. Persistence and degradability
The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

12.3. Bioaccumulative potential
For this subsection there is no ecotoxicological data available on the product as such.

Octanol/water partition coefficient (log Pow)

Remarks not determined

12.4. Mobility in soil
For this subsection there is no ecotoxicological data available on the product as such.

12.5. Results of PBT and vPvB assessment
Results of PBT and vPvB assessment

The product contains no PBT substances. The product contains no vPvB substances.

12.6 Endocrine disrupting properties
Endocrine disrupting properties with respect to the envrionment

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

12.7. Other adverse effects
For this subsection there is no ecotoxicological data available on the product as such.

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

Completely emptied packagings can be given for recycling.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee
14.1. UN number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.
14.2. UN proper shipping name	-	-
14.3. Transport hazard class(es)	-	-
14.4. Packing group	-	-
Label		

Information for all modes of transport
14.6. Special precautions for user

Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Other information
14.7 Maritime transport in bulk according to IMO instruments

Not relevant

SECTION 15: Regulatory information

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

Ingredients (Regulation (EC) No 648/2004)

5 % or over but less than 15 %:

zeolites, oxygen-based bleaching agents, anionic surfactants

less than 5 %:

non-ionic surfactants, soap, polycarboxylates

Further ingredients

enzymes

VOC

VOC (EU)	0	%

Other information

The product does not contain substances according to: Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH).

Other information

The HSNO Approval Number for this Group Standard is HSR002526.

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]:

Eye Irrit. 2	H319	Calculation method

Hazard statements listed in Chapter 2/3

H272	May intensify fire; oxidizer.
H302	Harmful if swallowed.
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.
H412	Harmful to aquatic life with long lasting effects.

CLP categories listed in Chapter 2/3

Acute Tox. 4	Acute toxicity, Category 4
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
Eye Irrit. 2	Eye irritation, Category 2
Ox. Sol. 3	Oxidising solid, Category 3
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
PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very persistent and very bioaccumulative

IMDG: International Maritime Code for Dangerous Goods
CAS: Chemical Abstracts Service
EINECS: European Inventory of Existing Commercial Chemical Substances
EAK: Europäischer Abfallkatalog
VOC: Volatile Organic Compound
GefStoffV: Gefahrstoffverordnung
TA Luft: Technische Anleitung zur Reinhaltung der Luft
INCI: International Nomenclature of Cosmetic Ingredients
n.a.g.: nicht anders genannt
MAK: Maximale Arbeitsplatz-Konzentration
AGW: Arbeitsplatzgrenzwert
BGW: Biologischer Grenzwert
TRGS: Technische Regeln für Gefahrstoffe
OEL: Occupational exposure limit
SUVA: Schweizerische Unfallversicherungsanstalt
WEL: Workplace exposure limit
MAC: Maximale aanvaarde concentratie (Netherlands)
MEL: Maximum exposure limits
NOEL: No observable effect level
NOEC: No observable effect concentration
LD: Lethal dose
LC: Lethal concentration
LLC: Lowest lethal concentration
SVHC: Substances of very high concern
DNEL: Derived no effect level
DMEL: Derived minimal effect level
PNEC: Predicted no effect concentration
PEC: Predicted environmental concentration
WHO: World Health Organization
GHS: Globally Harmonized System of classification and Labelling of Chemicals
REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals
UN: United Nations
EG: Europäische Gemeinschaft
EWG: Europäische Wirtschaftsgemeinschaft
EU: European Union
GGVSee: Gefahrgutverordnung See
RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses
HSNO: Hazardous Substances and New Organisms Act (New Zealand)
ATE: Acute Toxicity Estimate
STOT: Specific Target Organ Toxicity

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.