

**Safety Data Sheet**

according to WHMIS

**ProCare Shine 40**

Revision date: 24.11.2022

Product code:

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**1. Identification****Product identifier**

ProCare Shine 40

**Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

Cleaning agent, acidic.

**Uses advised against**

any non-intended use.

**Details of the supplier of the safety data sheet****Manufacturer**

Company name: Miele & Cie. KG  
Street: Carl-Miele-Straße 29  
Place: D-33332 Gütersloh  
Telephone: +49 (0)5241/89-0  
Responsible Department: sdb@etol.de

**Supplier**

Company name: Miele Limited  
Street: 161 Four Valley Drive  
Place: CDN- L4K 4V8 VAUGHAN, Ontario  
Telephone: +1-888-325-3957  
e-mail: professional@miele.ca  
Internet: www.mieleprofessional.ca

**Emergency telephone number:**

GBK/Infotrac ID 108482 : (USA domestic) 1 800 535 5053 or international (001)  
352 323 3500  
Emergency CONTACT (24-Hour-Number):GBK GmbH +49 (0)6132-84463

**2. Hazard identification****Classification of the substance or mixture****WHMIS 2015**

Serious eye damage/eye irritation: Eye Irrit. 2A

**Label elements****WHMIS 2015****Signal word:** Warning**Pictograms:****Hazard statements**

Causes serious eye irritation.

**Precautionary statements**

Wear eye/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

**Other hazards**

The components in this formulation (&gt;0,1%) do not meet the criteria for classification as PBT or vPvB.

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**3. Composition/information on ingredients****Mixtures****Hazardous components**

CAS No	Chemical name	Quantity
111905-53-4	Alcohols, C13-15-branched and linear, butoxylated ethoxylated	7,5 - <10 %
5949-29-1	citric acid monohydrate	7,5 - <10 %
15763-76-5	sodium p-cumenesulphonate	< 2 %

**4. First-aid measures****Description of first aid measures****General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**After inhalation**

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

**After contact with skin**

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

**After contact with eyes**

Rinse cautiously with water for several minutes.

**After ingestion**

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

**Most important symptoms and effects, whether acute or delayed**

refer to section 2 and 11.

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

Treat symptomatically.

**5. Fire-fighting measures****Extinguishing media****Suitable extinguishing media**

Kohlendioxid (CO<sub>2</sub>). Dry extinguishing powder. alcohol resistant foam. Atomized water.

**Unsuitable extinguishing media**

High power water jet.

**Specific hazards arising from the hazardous product**

Can be released in case of fire: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide Sulfur oxides.

**Special protective equipment and precautions for fire-fighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Co-ordinate fire-fighting measures to the fire surroundings.

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

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**General advice**

Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothes.  
Wear personal protection equipment (refer to section 8).  
High slip hazard because of leaking or spilled product.

**For non-emergency personnel**

Wear personal protection equipment (refer to section 8).

**For emergency responders**

No special measures are necessary.

**Environmental precautions**

Discharge into the environment must be avoided.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
Treat the recovered material as prescribed in the section on waste disposal.

**For cleaning up**

Clean contaminated objects and areas thoroughly observing environmental regulations.

**Reference to other sections**

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

**7. Handling and storage****Precautions for safe handling****Advice on safe handling**

Wear suitable protective clothing. See section 8.  
Do not breathe vapour/aerosol.

**Advice on protection against fire and explosion**

Usual measures for fire prevention.

**Advice on general occupational hygiene**

Always close containers tightly after the removal of product. Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and after work.

**Further information on handling**

General protection and hygiene measures: See section 8.

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

Keep container tightly closed in a cool, well-ventilated place.

**Hints on joint storage**

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

**Further information on storage conditions**

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.  
Recommended storage temperature: 20°C  
Protect against: frost. UV-radiation/sunlight. heat. Humidity

**8. Exposure controls/Personal protection****Control parameters****Additional advice on limit values**

To date, no national critical limit values exist.

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**Exposure controls****Appropriate engineering controls**

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Provide adequate ventilation.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Wear safety glasses; chemical goggles (if splashing is possible). Norms: EN or 29 CFR 1910.133

**Hand protection**

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of the glove material: 0,4 mm

Breakthrough time  $\geq$  8 h

Butyl rubber. - Thickness of the glove material: 0,5 mm

Breakthrough time  $\geq$  8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of the glove material: 0,5 mm

Breakthrough time  $\geq$  8 h

NBR (Nitrile rubber). - Thickness of the glove material: 0,35 mm

Breakthrough time  $\geq$  8 h

PVC (Polyvinyl chloride). - Thickness of the glove material: 0,5 mm

Breakthrough time  $\geq$  8 h

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.

The selected protective gloves should satisfy the specifications of standards like ISO 374.

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

**Skin protection**

Suitable protective clothing: Lab apron.

**Respiratory protection**

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

-Exceeding exposure limit values

-Insufficient ventilation and aerosol or mist formation

Suitable respiratory protective equipment: Particulate Respirators, Standard: 42 CFR Part 84 or DIN 143 or regional standards like Z94.4. Type: R/N/P-95/99/100

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

**Environmental exposure controls**

No special precautionary measures are necessary.

**9. Physical and chemical properties****Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	colourless
Odour:	characteristic

**Changes in the physical state**

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Melting point/freezing point:	~0 °C
Boiling point or initial boiling point and boiling range:	~100 °C
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	>100 °C

**Explosive properties**

none

Lower explosive limits:	not determined
Upper explosive limits:	not determined
Auto-ignition temperature:	not determined

**Self-ignition temperature**

Gas:

not determined

Decomposition temperature:	not determined
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pH-Value:	< 7
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Viscosity / dynamic:	not determined
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Viscosity / kinematic:	not determined
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Flow time:	not determined
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Water solubility:	miscible.
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**Solubility in other solvents**

not determined

Partition coefficient n-octanol/water:	SECTION 12: Ecological information
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Vapour pressure:	not determined
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Density (at 20 °C):	1,0 g/cm <sup>3</sup>
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Relative vapour density:	not determined
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**Other information**
**Information with regard to physical hazard classes**

Sustaining combustion:	Not sustaining combustion
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Oxidizing properties	
none	

**Other safety characteristics**

Solvent separation test:	not determined
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Solvent content:	not determined
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Solid content:	9,50 %
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Evaporation rate:	not determined
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**Further Information**

No information available.

**10. Stability and reactivity**
**Reactivity**

No information available.

**Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

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#### Possibility of hazardous reactions

No information available.

#### Conditions to avoid

Keep away from heat.

#### Incompatible materials

Oxidizing agents, strong. Alkalis (alkalis). Reducing agents, strong. Hazardous substances that release flammable gases when in contact with water.

#### Hazardous decomposition products

Can be released in case of fire: Kohlendioxid (CO<sub>2</sub>). Carbon monoxide Sulfur oxides.

## 11. Toxicological information

#### Information on toxicological effects

##### Toxicokinetics, metabolism and distribution

No data available.

##### Acute toxicity

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

CAS No	Chemical name				
	Route of exposure	Dose	Species	Source	Method
111905-53-4	Alcohols, C13-15-branched and linear, butoxylated ethoxylated				
	oral	LD50 >300-2000 mg/kg	Rat.	Supplier	
5949-29-1	citric acid monohydrate				
	oral	LD50 5400 mg/kg	Mouse	REACH Dossier	OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rat	REACH Dossier	OECD Guideline 402
15763-76-5	sodium p-cumenesulphonate				
	oral	LD50 > 7000 mg/kg	Rat	REACH Dossier	OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rabbit	REACH Dossier	OECD Guideline 402

#### Irritation and corrosivity

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

citric acid monohydrate (CAS-No.: 77-92-9):

Irritant effect on the skin: Not an irritant. (Rabbit in aqueous solution, 50%)

Literature information: ECHA Dossier

sodium p-cumenesulphonate:

In-vivo mutagenicity:

Method: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

Result: negative. Literature information: ECHA Dossier

#### Sensitizing effects

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

#### Carcinogenic/mutagenic/toxic effects for reproduction

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

citric acid monohydrate:

In-vitro mutagenicity:

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Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Result: negative. Literature information: ECHA Dossier

**STOT-single exposure**

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

**STOT-repeated exposure**

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

**Aspiration hazard**

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

**Information on likely routes of exposure**

Ingestion: May be harmful. Inhalation: May be harmful. Skin contact: May be irritant. Eye contact: Irritating to eyes.

**Specific effects in experiment on an animal**

No data available.

**Information on other hazards****Endocrine disrupting properties**

No data available.

**Name of toxicologically synergistic products**

No information available.

**12. Ecological information****Ecotoxicity**

The product has not been tested.

**Persistence and degradability**

The product has not been tested.

**Bioaccumulative potential**

No indication of bioaccumulation potential.

**Mobility in soil**

No data available.

**Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1%.

**Other adverse effects**

No data available.

**Further information**

Do not allow to enter into surface water or drains.

**13. Disposal considerations****Waste treatment methods****Disposal recommendations**

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.

Non-contaminated packages may be recycled.

**Contaminated packaging**

Handle contaminated packages in the same way as the substance itself.

**14. Transport information****Canadian TDG**

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**Proper shipping name:** No dangerous good in sense of this transport regulation.

**Hazard classes:****Marine transport (IMDG)**

**UN number or ID number:** No dangerous good in sense of this transport regulation.

**United Nations proper shipping name:** No dangerous good in sense of this transport regulation.

**Transport hazard class(es):** No dangerous good in sense of this transport regulation.

**Packing group:** No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)**

**UN number or ID number:** No dangerous good in sense of this transport regulation.

**United Nations proper shipping name:** No dangerous good in sense of this transport regulation.

**Transport hazard class(es):** No dangerous good in sense of this transport regulation.

**Packing group:** No dangerous good in sense of this transport regulation.

**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**15. Regulatory information****Canadian regulations****DSL/NDSL inventory status**

Alcohols, C13-15-branched and linear, butoxylated ethoxylated: listed  
sodium p-cumenesulphonate: listed (32073-22-6)  
citric acid monohydrate: listed (77-92-9)

**National Pollutant Release Inventory (NPRI)**

No substance listed.

**WHMIS classification**

Class D2B

**Provincial regulations**

See section 8.

**Additional information**

This mixture is classified as hazardous in accordance with WHMIS 2015.

**16. Other information****Changes**

Rev. 1.00; 06.07.2015, Initial release  
Rev. 1.01; Changes in chapter: 1  
Rev. 2.00; Changes in chapter: 1-16; 15.06.2018  
Rev. 2.1; Changes in chapter: 1-16; 24.11.2022

**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
ASTM: American Society for Testing and Materials.  
CAS: Chemical Abstracts Service  
CFR: Code of Federal Regulations  
DNEL: Derived No Effect Level  
DSL: Domestic Substance List  
DOT: Department of Transportation  
EPA: Environmental Protection Agency  
HMIS: Hazardous Materials Identification System  
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER



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IBC: Intermediate Bulk Container  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organization  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
LOAEL: Lowest observed adverse effect level  
LOAEC: Lowest observed adverse effect concentration  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
MARPOL: marine pollution  
NOAEL: No observed adverse effect level  
NOAEC: No observed adverse effect concentration  
NDSL: Non-Domestic Substance List  
NTP: National Toxicology Program  
N/A: not applicable  
NFPA: National Fire Protection Association  
OSHA: Occupational Safety and Health Administration  
PNEC: predicted no effect concentration  
PBT: Persistent bioaccumulative toxic  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail )  
SARA: Superfund Amendments and Reauthorization Act  
SIMDUT: Système d'information sur les matières dangereuses utilisées au travail  
SVHC: substance of very high concern  
STEL: short-term exposure limits  
TDG: Transportation of Dangerous Goods  
TSCA: Toxic Substances Control Act  
TWA: time weighted average  
TWAEV: TIME-WEIGHTED AVERAGE EXPOSURE VALUE  
VOC: Volatile Organic Compounds  
WHMIS: Workplace Hazardous Materials Information System

**Further Information**

Classification according WHMIS 2015 (GHS): - Classification procedure:  
Health hazards: Calculation method.  
Environmental hazards: Calculation method.  
Physical hazards: On basis of test data and / or calculated. and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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