

Safety Data Sheet according to WHMIS ProCare Shine 40

Revision date: 15.06.2018

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 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 (CO₂). 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 (CO₂). 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**

Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothes.

Wear personal protection equipment (refer to section 8).

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High slip hazard because of leaking or spilled product.

Environmental precautions

Discharge into the environment must be avoided.

Methods and material for containment and cleaning up

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.

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.

Further information on handling

General protection and hygiene measures: refer to chapter 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.

Exposure controls



Appropriate engineering controls

No special measures are necessary.

Protective and hygiene measures

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

Eye/face protection

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

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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

The selected protective gloves should satisfy the specifications of standards like EN 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
pH-Value:	< 7

Changes in the physical state

Melting point:	~0 °C
Initial boiling point and boiling range:	~100 °C
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	>100 °C
Sustaining combustion:	Not sustaining combustion

Explosive properties

none

Lower explosive limits:	not determined
Upper explosive limits:	not determined
Ignition temperature:	not determined

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Auto-ignition temperature

Gas: not determined

Decomposition temperature: not determined

Oxidizing properties

none

Vapour pressure: not determined

Density (at 20 °C): 1,0 g/cm³

Water solubility: miscible.

Solubility in other solvents

not determined

Partition coefficient: not determined

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Flow time: not determined

Vapour density: not determined

Evaporation rate: not determined

Solvent separation test: not determined

Solvent content: not determined

Other information

Solid content: 9,50 %

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.

Possibility of hazardous reactions

Refer to chapter 10.5.

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 (CO₂). 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

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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:
 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.

Specific effects in experiment on an animal

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.

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Mobility in soil

No data available.

Other adverse effects

No data available.

Further information

Do not allow to enter into surface water or drains.

13. Disposal considerations

Waste treatment methods

Advice on disposal

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

Proper shipping name: Not a hazardous material with respect to these transport regulations.

Marine transport (IMDG)

UN number: Not restricted

United Nations proper shipping name: Not restricted

Transport hazard class(es): Not restricted

Packing group: Not restricted

Air transport (ICAO-TI/IATA-DGR)

UN number: Not restricted

United Nations proper shipping name: Not restricted

Transport hazard class(es): Not restricted

Packing group: Not restricted

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



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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

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
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
UN: United Nations
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 GHS: - Classification procedure:

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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.)