

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Miele
PROFESSIONAL

ProCare Shine 40

Print date: 02.12.2015

Product code:

Page 2 of 10

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
111905-53-4	Alcohols, C13-15-branched and linear, butoxylated ethoxylated			5 - < 10 %
			02-2119552554-37	
	Acute Tox. 4, Eye Irrit. 2, Aquatic Chronic 3; H302 H319 H412			
5949-29-1	citric acid monohydrate			5 - < 10 %
	201-069-1		01-2119457026-42	
	Eye Irrit. 2; H319			
15763-76-5	sodium p-cumenesulphonate			1 - < 5 %
	239-854-6		01-2119489411-37	
	Eye Irrit. 2; H319			

Full text of H and EUH statements: see section 16.

Labelling for contents according to Regulation (EC) No 648/2004

5 % - 15 % non-ionic surfactants.

Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH)

SECTION 4: First aid measures

4.1. 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

After contact with skin, wash immediately with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.

After contact with eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth. 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.

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

refer to section 2 and 11.

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

Treat symptomatically.

SECTION 5: Firefighting measures

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Miele
PROFESSIONAL

ProCare Shine 40

Print date: 02.12.2015

Product code:

Page 3 of 10

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂). Water spray. Foam. Extinguishing powder.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Carbon dioxide (CO₂). Carbon monoxide. Sulfur oxides.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. In case of fire and/or explosion do not breathe fumes.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures

6.1. 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).

High slip hazard because of leaking or spilled product.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Eliminate leaks immediately.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Collect in closed containers for disposal.

Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Wear personal protection equipment. (See section 8.)

Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion

Usual measures for fire prevention.

Further information on handling

Avoid contact with skin, eyes and clothes.

General protection and hygiene measures: See section 8.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

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

Advice on storage compatibility

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances

Further information on storage conditions

Protect against: moisture. UV-radiation/sunlight. heat. frost.

ProCare Shine 40

Print date: 02.12.2015

Product code:

Page 4 of 10

7.3. Specific end use(s)

refer to section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

To date, no national critical limit values exist. (AT, BE, BG,CN, CY, CZ, DK, EE, FI, FR, GE, GR, HR, HU, IS, IE, IT, LV, LT, ML, NL, NO, PL, PO, RO, SK ,SI, SRB, ES, SE, CH, TR, UA, UK, US)

8.2. Exposure controls



Appropriate engineering controls

Vapours / aerosols must be extracted by suction immediately at point of origin.

Protective and hygiene measures

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

Eye/face protection

Tightly sealed safety glasses. (DIN EN 166)

Hand protection

In case of prolonged or frequently repeated skin contact:

Pull-over gloves of rubber. DIN EN 374

Suitable material:

CR (polychloroprenes, Chloroprene rubber). (0,5 mm)

NBR (Nitrile rubber). (0,35 mm)

FKM (fluororubber). (0,4 mm)

PVC (Polyvinyl chloride). (0,5 mm)

Butyl rubber. (0,5 mm)

Breakthrough time > 8h

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

No special measures are necessary.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

Respiratory protection

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

Respiratory protection necessary at:

Generation/formation of aerosols

Suitable respiratory protective equipment:

particulates filter device (DIN EN 143).

Type: P1-3

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, closed-circuit breathing apparatus must be used!

Environmental exposure controls

Do not allow uncontrolled discharge of product into the environment.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Miele
PROFESSIONAL

ProCare Shine 40

Print date: 02.12.2015

Product code:

Page 5 of 10

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
Colour: colourless
Odour: characteristic

Test method

pH-Value: < 7

Changes in the physical state

Melting point: ~0 °C
Initial boiling point and boiling range: ~100 °C
Flash point: >100 °C

Explosive properties

none

Lower explosion limits: not determined
Upper explosion limits: not determined
Ignition 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

Viscosity / dynamic: not determined

Solvent content: 0% - Information according to 1999/13/EC
about limitation of emissions of volatile
organic compounds (VOC-guideline).

9.2. Other information

Solid content: 9,50 %

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

Keep away from heat.

10.5. Incompatible materials

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

ProCare Shine 40

Print date: 02.12.2015

Product code:

Page 6 of 10

10.6. Hazardous decomposition products

Can be released in case of fire: Carbon dioxide (CO₂). Carbon monoxide. Sulfur oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

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

CAS No	Chemical name	Exposure routes	Method	Dose	Species	Source
111905-53-4	Alcohols, C13-15-branched and linear, butoxylated ethoxylated	oral	LD50 mg/kg	>300-2000	Rat.	(M)SDS external
5949-29-1	citric acid monohydrate	oral	LD50	5400 mg/kg	Mouse.	ECHA Dossier
		dermal	LD50	>2000 mg/kg	Rat.	ECHA Dossier
15763-76-5	sodium p-cumenesulphonate	oral	LD50	>7000 mg/kg	Rat.	ECHA Dossier
		dermal	LD50	>2000 mg/kg	Rabbit.	ECHA Dossier

Irritation and corrosivity

Causes serious eye irritation.

Sensitising effects

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

STOT-single exposure

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

Severe effects after repeated or prolonged exposure

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 : OECD Guideline 471 (Bacterial Reverse Mutation Assay) = negative. literature information: ECHA Dossier

In-vivo mutagenicity: OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test) = negative. literature information: ECHA Dossier

sodium p-cumenesulphonate:

In-vivo mutagenicity:

Method: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

Result: negative.

literature information: ECHA Dossier

Aspiration hazard

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

Specific effects in experiment on an animal

There are no data available on the preparation/mixture itself.

SECTION 12: Ecological information

12.1. Toxicity

Safety Data Sheet

according to Regulation (EC) No 1907/2006

ProCare Shine 40

Print date: 02.12.2015

Product code:

Page 7 of 10

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
111905-53-4	Alcohols, C13-15-branched and linear, butoxylated ethoxylated					
	Acute fish toxicity	LC50	1-10 (Read across) mg/l	96 h	Leuciscus idus	(M)SDS external
	Acute crustacea toxicity	EC50	(>1-10) mg/l	48 h	Daphnia magna	(M)SDS external
	Crustacea toxicity	NOEC	>0,1-1 mg/l	21 d	Daphnia magna	(M)SDS external
15763-76-5	sodium p-cumenesulphonate					
	Acute fish toxicity	LC50	>1000 (Read across) mg/l	96 h	Oncorhynchus mykiss	ECHA Dossier
	Acute algae toxicity	ErC50	>230 mg/l	96 h	Pseudokirchnerella subcapitata	ECHA Dossier
	Acute crustacea toxicity	EC50	>1000 (Read across) mg/l	48 h	daphina magna	ECHA Dossier
	Acute bacteria toxicity		(>1000 mg/l)	3 h	OECD 209	ECHA Dossier

12.2. Persistence and degradability

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
111905-53-4	Alcohols, C13-15-branched and linear, butoxylated ethoxylated			
	OECD 301F / ISO 9408 / EEC 92/69 annex V, C.4-D	>60	28	(M)SDS external
	Easily biodegradable (concerning to the criteria of the OECD)			
15763-76-5	sodium p-cumenesulphonate			
	OECD 301B / ISO 9439 / EEC 92/69 annex V, C.4-C	100%	28	ECHA Dossier
	Easily biodegradable (concerning to the criteria of the OECD)			

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
5949-29-1	citric acid monohydrate	-1,57
15763-76-5	sodium p-cumenesulphonate	-1,1

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No data available

Further information

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal. Non-contaminated packages may be recycled.

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. Waste codes/waste designations according to EWC/AVV

Safety Data Sheet



according to Regulation (EC) No 1907/2006

ProCare Shine 40

Print date: 02.12.2015

Product code:

Page 8 of 10

Waste disposal number of waste from residues/unused products

200130 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents other than those mentioned in 20 01 29

Waste disposal number of used product

200130 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents other than those mentioned in 20 01 29

Waste disposal number of contaminated packaging

150106 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); mixed packaging

Contaminated packaging

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

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: Not restricted
14.2. UN proper shipping name: Not restricted
14.3. Transport hazard class(es): Not restricted
14.4. Packing group: Not restricted

Inland waterways transport (ADN)

14.1. UN number: Not restricted
14.2. UN proper shipping name: Not restricted
14.3. Transport hazard class(es): Not restricted
14.4. Packing group: Not restricted

Marine transport (IMDG)

14.1. UN number: Not restricted
14.2. UN proper shipping name: Not restricted
14.3. Transport hazard class(es): Not restricted
14.4. Packing group: Not restricted

Air transport (ICAO)

14.1. UN number: Not restricted
14.2. UN proper shipping name: Not restricted
14.3. Transport hazard class(es): Not restricted
14.4. Packing group: Not restricted

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Not restricted

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not restricted

SECTION 15: Regulatory information

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

EU regulatory information

Safety Data Sheet

according to Regulation (EC) No 1907/2006

ProCare Shine 40

Print date: 02.12.2015

Product code:

Page 9 of 10

2010/75/EU (VOC): 0%

2004/42/EC (VOC): 0g/l

Additional information

REACH 1907/2006 Appendix XVII, No 3

This preparation is hazardous in the sense of regulation (EC) No 1272/2008 [GHS].

Not subject to regulation 96/82/EC. (SEVESO II)

2012/18/CE (SEVESO III) Annex I, Part 1: none

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D): 2 - water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

Rev.1.00; 06.07.2015, Initial release

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

CAS Chemical Abstracts Service

DNEL: Derived No Effect Level

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

International Carriage of Dangerous Goods by Road)

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

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOAEL: No observed adverse effect level

NOAEC: No observed adverse effect level

NTP: National Toxicology Program

N/A: not applicable

OSHA: Concerning the International Transport of Dangerous Goods by Rail)

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

SVHC: substance of very high concern

TRGS Technische Regeln für Gefahrstoffe

TSCA: Toxic Substances Control Act

VOC: Volatile Organic Compounds

VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe

WGK: Wassergefährdungsklasse

Relevant H and EUH statements (number and full text)

H302 Harmful if swallowed.

Safety Data Sheet



according to Regulation (EC) No 1907/2006

ProCare Shine 40

Print date: 02.12.2015

Product code:

Page 10 of 10

H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Further Information

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.)