1. Identification

Product identifier

ProCare Shine 40

Recommended use of the chemical and restrictions on use

Use of the substance/mixture

Cleaning agent, acidic.

Uses advised against

any non-intended use.

Details of the supplier of the safety data sheet

Company name: Miele, Inc.
Street: 9 Independence Way
Place: CY PRINCETON, NJ 08540
Telephone: +1 609 4194374
Telefax: +1 609 4191853
e-mail: moreinfo@mieleusa.com
Internet: www.miele.com

Emergency phone number: Emergency CONTACT (24-Hour-Number):GBK GmbH +49 (0)6132-84463

2. Hazard(s) identification

Classification of the chemical

29 CFR Part 1910.1200

Hazard categories:

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

Hazard Statements:

Causes serious eye irritation

Label elements

29 CFR Part 1910.1200

Signal word: Warning

Pictograms:

Hazard statements

Causes serious eye irritation

Precautionary statements

Wear protective gloves/protective clothing/eye protection/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.

Hazards not otherwise classified

No information available.

3. Composition/information on ingredients

Mixtures
Hazardous components

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Components</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>111905-53-4</td>
<td>Alcohols, C13-15-branched and linear, butoxylated ethoxylated</td>
<td>7,5 - &lt;10 %</td>
</tr>
<tr>
<td>5949-29-1</td>
<td>citric acid monohydrate</td>
<td>7,5 - &lt;10 %</td>
</tr>
<tr>
<td>15763-76-5</td>
<td>sodium p-cumenesulphonate</td>
<td>2,5 - &lt;5 %</td>
</tr>
</tbody>
</table>

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
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.

Most important symptoms and effects, both acute and delayed
refer to chapter 2 and 11.

Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media
Carbon dioxide (CO2). Water spray. Foam. Extinguishing powder.

Unsuitable extinguishing media
High power water jet.

Specific hazards arising from the chemical
Can be released in case of fire: Carbon dioxide (CO2). Carbon monoxide. Sulfur oxides.

Special protective equipment and precautions for fire-fighters
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.

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).
High slip hazard because of leaking or spilled product.

**Environmental precautions**
- Do not allow to enter into surface water or drains. Eliminate leaks immediately.

**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.

**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 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.

**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**

- **Further information on storage conditions**
  - Protect against: moisture. UV-radiation/sunlight. heat. frost.

### 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**
  - 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**
  - Recommended eye protection brand: Tightly sealed safety glasses. Standards: EN 166 or 29 CFR 1910.133
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: Particulate Respirators, Standard: 42 CFR Part 84, Filter: 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, closed-circuit breathing apparatus must be used!

Environmental exposure controls
Do not allow uncontrolled discharge of product into the environment.

9. Physical and chemical properties

Information on basic physical and chemical properties

| Physical state: | liquid |
| Color:          | colourless |
| Odor:           | characteristic |

Test method
pH-Value: < 7

Changes in the physical state
Melting point/freezing 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
Vapor pressure: not determined
Density (at 20 °C): 1,0 g/cm³
According to 29 CFR 1910.1200(g)

ProCare Shine 40

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).

Other information
Solid content: 9.50%

No information available.

10. Stability and reactivity

Reactivity
No information available.

Chemical stability
Stability: Stable
The product is chemically stable under recommended conditions of storage, use and temperature.

Possibility of hazardous reactions
Hazardous reactions: Will not occur
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: Carbon dioxide (CO2). Carbon monoxide. Sulfur oxides.

11. Toxicological information

Information on toxicological effects

Route(s) of Entry
Ingestion: May be harmful. Inhalation: May be harmful. Skin contact: May be irritant. Eye contact: Irritating to eyes.

Acute toxicity
Based on available data, the classification criteria are not met.
Irritation and corrosivity
Causes serious eye irritation

Sensitizing effects
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.

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
Carcinogenicity (NTP): no substance listed.
Carcinogenicity (IARC): no substance listed.
Carcinogenicity (OSHA): no substance listed.

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.

12. Ecological information

Mobility in soil
No data available

Other adverse effects
No data available

13. Disposal considerations
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.

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

14. Transport information

US DOT 49 CFR 172.101
Proper shipping name: Not a hazardous material with respect to these transport regulations.

Marine transport (IMDG)
UN number: Not restricted
UN proper shipping name: Not restricted
Transport hazard class(es): Not restricted
Packing group: Not restricted

Air transport (ICAO)
UN number: Not restricted
UN proper shipping name: Not restricted
Transport hazard class(es): Not restricted
Packing group: Not restricted

Environmental hazards
ENVIRONMENTALLY HAZARDOUS: no

Special precautions for user
Not restricted

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not restricted

15. Regulatory information

U.S. Regulations

National Inventory TSCA
Alcohols, C13-15-branched and linear, butoxylated ethoxylated: listed
sodium p-cumenesulphonate: listed (32073-22-6)
citric acid monohydrate: listed

National regulatory information
SARA Section 311/312 Hazards:
Alcohols, C13-15-branched and linear, butoxylated ethoxylated (111905-53-4): Immediate (acute) health hazard
citric acid monohydrate (5949-29-1): Immediate (acute) health hazard
sodium p-cumenesulphonate (15763-76-5): Immediate (acute) health hazard

State Regulations
Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)
This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other information

Hazardous Materials Information Label (HMIS)
Safety Data Sheet

according to 29 CFR 1910.1200(g)

ProCare Shine 40

Print date: 15.02.2016
Product code: Page 8 of 9

Health: 2
Physical Hazard: 1
Personal Protection: A

NFPA Hazard Ratings

Health: 1
Flammability: 1
Reactivity: 1
Unique Hazard: 1

Changes

Revision date: 15.02.2016
Revision No: 1.01
Rev.1.00; 06.07.2015, Initial release
Rev. 1.01; Changes in chapter: 1

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
VvVwVwS: Verwaltungsvorschrift wassergefährdender Stoffe
WGK: Wassergefährdungsklasse

Other data

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.)