

Safety Data Sheet

according to WHMIS

ProCare Shine 11 OB

Revision date: 24.11.2022

Product code:

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1. Identification**Product identifier**

ProCare Shine 11 OB

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

Cleaning agent, alkaline.

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**

Skin corrosion/irritation: Skin Irrit. 2

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

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

Causes skin irritation.

Causes serious eye irritation.

Precautionary statements

Wear protective gloves and eye/face protection.

IF ON SKIN: Wash with plenty of water.

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.

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Take off contaminated clothing and wash it before reuse.

Other hazards

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

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

CAS No	Chemical name	Quantity
497-19-8	sodium carbonate	60 - < 80% (*)
15630-89-4	disodium carbonate, compound with hydrogen peroxide (2:3)	5 - < 10% (*)
6834-92-0	disodium metasilicate	1 - < 5% (*)

(*) The actual concentration is withheld as a trade secret.

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 monoxide Carbon dioxide (CO₂). Phosphorus 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.

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

- Avoid dust formation.
- Do not breathe dust.
- Wear personal protection equipment (refer to section 8).

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.

Other information

- Take up mechanically.
- 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 dust. Avoid contact with skin, eyes and clothes.

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

- Do not mix with acids.
- General protection and hygiene measures: See section 8.

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

- Keep only in the original container in a cool, well-ventilated place away from acids. Keep container tightly closed. Handle and open container with care.
- Make sure spills can be contained (e.g. sump pallets or kerbed areas).
- Recommended storage temperature: 20 °C

Hints on joint storage

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

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substances. Food and animal feedingstuff.

Further information on storage conditions

Protect against: frost. UV-radiation/sunlight. heat. Humidity 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**

Dust should be exhausted directly at the point of origin.

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

Dust protection goggles.

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

-Generation/formation of dust

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.

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9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state: solid.
 Colour: whitish.
 Odour: characteristic.

Changes in the physical state

Melting point/freezing point: not determined
 Boiling point or initial boiling point and boiling range: not determined
 Sublimation point: not determined
 Softening point: not determined
 Pour point: not determined
 Flash point: not determined

Explosive properties

none.

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

Self-ignition temperature

Gas:

Decomposition temperature: not determined

pH-Value: not determined

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Flow time: not determined

Water solubility: miscible.

Solubility in other solvents

not determined

Partition coefficient n-octanol/water: SECTION 12: Ecological information

Vapour pressure: not determined

Density: 1,2 g/cm³

Relative vapour density: not determined

Other information

Information with regard to physical hazard classes

Sustaining combustion: Not sustaining combustion

Oxidizing properties
 none.

Other safety characteristics

Solvent separation test: not determined

Solvent content: not determined

Solid content: 100%

Evaporation rate: not determined

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10. Stability and reactivity

Reactivity

No information available.

Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.
Decomposition temperature: > 200 °C

Possibility of hazardous reactions

No information available.

Conditions to avoid

heat. moisture.

Incompatible materials

Materials to avoid: Strong acid. Oxidizing agents, strong. Reducing agents, strong. Ammonia.

Hazardous decomposition products

Can be released in case of fire: Carbon monoxide Carbon dioxide (CO₂). Phosphorus 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	
497-19-8	sodium carbonate					
	oral	LD50 2800 mg/kg	Rat	ECHA Dossier		
	dermal	LD50 > 2000 mg/kg	Rabbit.	ECHA Dossier		
15630-89-4	disodium carbonate, compound with hydrogen peroxide (2:3)					
	oral	LD50 1034 mg/kg	Rat	ECHA Dossier		
	dermal	LD50 (> 2000) mg/kg	Rabbit	ECHA Dossier		

Irritation and corrosivity

Causes skin irritation.
Causes serious eye irritation.

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.
disodium metasilicate:

In-vitro mutagenicity: Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay); Result: negative.

Literature information: ECHA Dossier; Developmental toxicity/teratogenicity: Method: -; Species:

Mouse; Result: NOAEL > 200 mg/kg; Literature information: ECHA Dossier

sodium carbonate:

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In vitro mutagenicity/genotoxicity:

Method: (AMES SALMONELLA TYPHIMURIUM): - ; Result: negative.

Literature information: FUJITA,H, AOKI,N AND SASAKI,M; MUTAGENICITY TEST OF FOOD ADDITIVES WITH SALMONELLA TYPHIMURIUM TA97 AND TA102. IX; TOKYO-TORITSU EISEI KENKYUSHO KENKYU NENPO 45:191-199, 1994

Reproductive toxicity:

Method: - ; species: Mouse.

Exposure duration: 15d ; Result: NOAEL = 340 mg/kg; Literature information: Organization for Economic Cooperation and Development; SIDS Initial Assessment Profile (SIAP) for SIAM 15 (Boston, USA, 22-25 October 2002) Sodium carbonate (497-19-8) p.16.

Developmental toxicity/teratogenicity:

Method: - ; species: Rat ; Exposure duration: 15d

Result: NOAEL >= 245 mg/kg; 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.

disodium metasilicate:

Subchronic oral toxicity: Method: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents);

Species: Wistar Rat.; Exposure time: 90d; Result: NOAEL > 227 mg/kg; Literature information: ECHA Dossier

Aspiration hazard

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

Information on likely routes of exposure

Ingestion: May be harmful if swallowed. Inhalation: May be harmful if inhaled. Skin contact: Can cause irritation.

Eye contact: Can cause irritation.

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

This information is not available.

12. Ecological information**Ecotoxicity**

The product has not been tested.

Persistence and degradability

The methods for determining the biological degradability are not applicable to inorganic substances.

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.

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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**

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**

disodium metasilicate: listed
sodium carbonate: listed
disodium carbonate, compound with hydrogen peroxide (2:3): listed

National Pollutant Release Inventory (NPRI)

No Substance listed.

WHMIS classification

Class: D2B

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; 15.02.2016, Changes in chapter: 1, 16.
Rev. 1.10; 22.06.2016, Changes in chapter: 3, 11, 12, 16.
Rev. 1.11; 21.04.2017, Changes in chapter: 1
Rev. 2,00; Changes in chapter: 1-16; 15.06.2018

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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
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

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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.)