

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 24.03.2022

Version number 1

Revision: 24.03.2022

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- **1.1 Product identifier**
- Trade name: **PERFECTA SiO2**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Life cycle stages**
  - C Consumer use
  - PW Widespread use by professional workers
- **Sector of Use**
  - SU21 Consumer uses: Private households / general public / consumers
  - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Product category PC35** Washing and cleaning products (including solvent based products)
- **Application of the substance / the mixture** All-purpose cleaner
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
  - MA-FRA S.p.A. a Socio Unico
  - Via Aquileia, 44/46
  - 20021 Baranzate (MI) ITALIA
  - Tel. +39 023569981
  - www.mafra.com
  - mafra@mafra.it
- **Informing department:** info@mafra.it
- **1.4 Emergency telephone number:** In case of accident call the emergency number 112

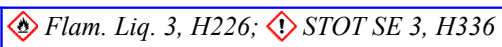
**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The product is not classified as hazardous according to the CLP Regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:**
  - Keep out of the reach of children
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**

- **3.2 Mixtures**
- **Description:** Mixture of substances

**- Dangerous components:**

CAS: 107-98-2 EINECS: 203-539-1 Reg.nr.: 01-2119457435-35	1-methoxypropan-2-ol	 Flam. Liq. 3, H226; STOT SE 3, H336	1-<3%
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**- Regulation (EC) No 648/2004**

non-ionic surfactants, perfumes (LINALOOL, (R)-p-mentha-1,8-diene)

&lt;5%

**- Additional information** For the wording of the listed hazard phrases refer to section 16.**SECTION 4: First aid measures****- 4.1 Description of first aid measures****- General information** No special measures required.**- After inhalation** Supply fresh air; consult doctor in case of symptoms.**- After skin contact** The product is not skin irritating.**- After eye contact** Rinse opened eye for several minutes under running water.**- After swallowing** In case of persistent symptoms consult doctor.**- 4.2 Most important symptoms and effects, both acute and delayed**

Sickness

No further relevant information available.

**- 4.3 Indication of any immediate medical attention and special treatment needed**

If swallowed, gastric irrigation

Medical supervision for at least 48 hours

**SECTION 5: Firefighting measures****- 5.1 Extinguishing media****- Suitable extinguishing agents**CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

Use fire fighting measures that suit the environment.

**- 5.2 Special hazards arising from the substance or mixture**

Can be released in case of fire

Carbon monoxide (CO)

**- 5.3 Advice for firefighters****- Protective equipment:**

Do not inhale explosion gases or combustion gases.

Protection means for respiratory tract

**- Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

**SECTION 6: Accidental release measures****- 6.1 Personal precautions, protective equipment and emergency procedures** Protective gloves. (EN 374)**- For non-emergency personnel**

Ensure adequate ventilation

Keep away from ignition sources

Wear protective clothing.

**- For emergency responders**Recommended thickness of the material:  $\geq 0.1$  mm

Nitrile rubber, NBR

**- 6.2 Environmental precautions:**

Dilute with much water.

Do not allow to enter drainage system, surface or ground water.

**- 6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of the material collected according to regulations.

**- 6.4 Reference to other sections**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

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See Section 13 for information on disposal.

### SECTION 7: Handling and storage

#### - 7.1 Precautions for safe handling

Take off immediately all contaminated clothing  
Wash hands during breaks and at the end of the work.  
Do not eat, drink or smoke while working.

- **Information about protection against explosions and fires:** Protect from heat.

#### - 7.2 Conditions for safe storage, including any incompatibilities

##### - Storage

- **Requirements to be met by storerooms and containers:** Store only in the original container.

- **Information about storage in one common storage facility:** Not required.

- **Further information about storage conditions:** None.

- **Class according to regulation on inflammable liquids:** Void

- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

#### - 8.1 Control parameters

- **Components with limit values that require monitoring at the workplace:**

##### 107-98-2 1-methoxypropan-2-ol

WEL	Short-term value: 560 mg/m <sup>3</sup> , 150 ppm
	Long-term value: 375 mg/m <sup>3</sup> , 100 ppm
Sk	

#### - DNELs

##### 107-98-2 1-methoxypropan-2-ol

Oral	Systemic Long-term Effects	3.3 mg/Kg bw/day (Consumers)
Dermal	Systemic long-term effects	50.6 mg/Kg bw/day (Industrial Workers)
		18.1 mg/Kg bw/day (Consumers)
Inhalative	Local short-term effects	553.5 mg/m <sup>3</sup> (Industrial Workers)
	Systemic long-term effects	369 mg/m <sup>3</sup> (Industrial Workers)
		43.9 mg/m <sup>3</sup> (Consumers)
	Systemic Short-term Effects	369 mg/m <sup>3</sup> (Industrial Workers)

#### - PNECs

##### 107-98-2 1-methoxypropan-2-ol

PNEC STP	100 mg/L (STP)
Soil	4.59 mg/Kg (Soil)
Soft Water	10 mg/L (Water)
Sea water	1 mg/L (Water)
Sediment (soft water)	52.3 mg/Kg (Soil)
Sediment (sea water)	5.2 mg/Kg (Soil)

- **Additional information:** The lists that were valid during the compilation were used as basis.

#### - 8.2 Exposure controls

- **Appropriate engineering controls** No further data; see item 7.

- **Individual protection measures, such as personal protective equipment**

- **General protective and hygienic measures** Wash hands during breaks and at the end of the work.

- **Breathing equipment:** Not required.

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**- Hand protection**

Protective gloves. (EN 374)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation  
Preventive skin protection by use of skin-protecting agents is recommended.

**- Material of gloves**Recommended thickness of the material:  $\geq 0.1$  mm

Nitrile rubber, NBR

**- Penetration time of glove material**

For the mixture of chemicals mentioned below the penetration time has to be at least 15 minutes (Permeation according to EN 16523-1:2015: Level I).

**- Eye/face protection**

Safety glasses recommended during refilling.

**- Environmental exposure controls** Disposal must be made according to official regulations.

## SECTION 9: Physical and chemical properties

**- 9.1 Information on basic physical and chemical properties****- General Information****- Physical state**

Fluid

**- Colour:**

Opaque

**- Odour:**

Odourless

**- Odour threshold:**

Not determined.

**- Melting point/freezing point:**

0 °C

**- Boiling point or initial boiling point and boiling range**

100 °C (7732-18-5 water, distilled, conductivity or of similar purity)

**- Flammability**

Not applicable.

**- Lower and upper explosion limit****- Lower:**

Not determined.

**- Upper:**

Not determined.

**- Flash point:**

Not applicable

**- Self-inflammability:**

Product is not selfigniting.

**- Decomposition temperature:**

Not determined.

**- pH at 20 °C**

7

**- Viscosity:****- Kinematic viscosity**

Not determined.

**- dynamic at 20 °C:**

0.952 mPas

**- Solubility****- Water:**

Fully miscible

**- Partition coefficient n-octanol/water (log value)**

Not determined.

**- Vapour pressure at 20 °C:**

23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)

**- Density and/or relative density****- Density at 20 °C**1 g/cm<sup>3</sup>**- Relative density**

Not determined.

**- Vapour density**

Not determined.

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**- 9.2 Other information****- Appearance:****- Form:** Liquid**- Important information on protection of health and environment, and on safety.****- Explosive properties:** Product is not explosive.**- Change in condition****- Evaporation rate** Not determined.**- Information with regard to physical hazard classes****- Explosives** Void**- Flammable gases** Void**- Aerosols** Void**- Oxidising gases** Void**- Gases under pressure** Void**- Flammable liquids** Void**- Flammable solids** Void**- Self-reactive substances and mixtures** Void**- Pyrophoric liquids** Void**- Pyrophoric solids** Void**- Self-heating substances and mixtures** Void**- Substances and mixtures, which emit flammable gases in contact with water** Void**- Oxidising liquids** Void**- Oxidising solids** Void**- Organic peroxides** Void**- Corrosive to metals** Void**- Desensitised explosives** Void**SECTION 10: Stability and reactivity****- 10.1 Reactivity** Stable under normal conditions**- 10.2 Chemical stability****- Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**- 10.3 Possibility of hazardous reactions** No dangerous reactions known**- 10.4 Conditions to avoid** No further relevant information available.**- 10.5 Incompatible materials:** No further relevant information available.**- 10.6 Hazardous decomposition products:** No dangerous decomposition products known**SECTION 11: Toxicological information****- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****- Acute toxicity****- LD/LC50 values that are relevant for classification:****107-98-2 1-methoxypropan-2-ol**

Oral LD50 4,016 mg/Kg (Rat)

Dermal LD50 &gt;2,000 mg/Kg (Rat)

13,500 mg/Kg (Rabbit)

**78330-20-8 Ethoxy Alcohol C9-C11**

Oral LD50 300-2,000 mg/Kg (Rat)

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

None of the ingredients is listed.

**SECTION 12: Ecological information****- 12.1 Toxicity****- Aquatic toxicity:****107-98-2 1-methoxypropan-2-ol**

LC50 (4 h) 6 mg/L (Rat)

LC50 (96h) &gt;100 mg/L (Algae)

4,600 mg/L (Fish)

EC50 (48h) 23,300 mg/L (Daphnia)

EC50 (96h) &gt;1,000 mg/L (Algae)

20,800 mg/L (Fish)

**78330-20-8 Ethoxy Alcohol C9-C11**

LC50 (96h) &gt;100 mg/L (Fish)

EC50 (48h) &gt;100 mg/L (Daphnia)

EC50 (72h) &gt;100 mg/L (Algae)

**- 12.2 Persistence and degradability** No further relevant information available.**- 12.3 Bioaccumulative potential** No further relevant information available.**- 12.4 Mobility in soil** No further relevant information available.**- 12.5 Results of PBT and vPvB assessment****- PBT:** Not applicable.**- vPvB:** Not applicable.**- 12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.**- 12.7 Other adverse effects****- Additional ecological information:****- General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

**SECTION 13: Disposal considerations****- 13.1 Waste treatment methods****- Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**- Uncleaned packagings:****- Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information****- 14.1 UN number or ID number****- ADR, IMDG, IATA**

Void

**- 14.2 UN proper shipping name****- ADR, IMDG, IATA**

Void

**- 14.3 Transport hazard class(es)****- ADR, IMDG, IATA****- Class**

Void

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- 14.4 Packing group - ADR, IMDG, IATA	Void
- 14.5 Environmental hazards:	Not applicable.
- 14.6 Special precautions for user	Not applicable.
- 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.

### SECTION 15: Regulatory information

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

- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- National regulations
- Classification according to VbF: Void
- Technical instructions (air):

Class	Share in %
NK	2.7

- Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

- Relevant phrases  
H226 Flammable liquid and vapour.  
H336 May cause drowsiness or dizziness.
- Department issuing data specification sheet: Ma-Fra Laboratories
- Contact: lab@mafra.it
- Abbreviations and acronyms:  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)  
DNEL: Derived No-Effect Level (REACH)  
PNEC: Predicted No-Effect Concentration (REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Flam. Liq. 3: Flammable liquids – Category 3  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- \* Data compared to the previous version altered.

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