

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 Poisons Information Line 13 11 26

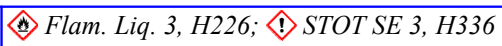
SECTION 2: Hazards identification

- **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)

<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**CO₂, 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 respondersRecommended thickness of the material: ≥ 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 ³ , 150 ppm
	Long-term value: 375 mg/m ³ , 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 ³ (Industrial Workers)
	Systemic long-term effects	369 mg/m ³ (Industrial Workers)
		43.9 mg/m ³ (Consumers)
	Systemic Short-term Effects	369 mg/m ³ (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 glovesRecommended thickness of the material: ≥ 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 ³
- 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 >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) >100 mg/L (Algae)

4,600 mg/L (Fish)

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

EC50 (96h) >1,000 mg/L (Algae)

20,800 mg/L (Fish)

78330-20-8 Ethoxy Alcohol C9-C11

LC50 (96h) >100 mg/L (Fish)

EC50 (48h) >100 mg/L (Daphnia)

EC50 (72h) >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.**