

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

Printing date 28.06.2017

Version number 1

Revision: 28.06.2017

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

- 1.1 Product identifier

- Trade name: **PERFECTA**

- 1.2 Relevant identified uses of the substance or mixture and uses advised against

- Sector of Use SU21 Consumer uses: Private households / general public / consumers

- Application of the substance / the mixture Self glazing emulsion

- Uses advised against

The mixture is not recommended for industrial, professional and consumer applications not specified as relevant identified uses

- 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

MA-FRA S.p.A.

Via Aquileia, 44/46

20021 Baranzate (MI) ITALIA

mafra@mafra.it

Tel. +39 023569981

- Informing department: E-mail: lab@mafra.it

- 1.4 Emergency telephone number: Contact the local hospital or the poison control center closest to you

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

- 2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

- Hazard pictograms



GHS07

- Signal word Warning

- Hazard statements

H319 Causes serious eye irritation.

- Precautionary statements

P102 Keep out of reach of children.

P280 Wear eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

- 2.3 Other hazards

- Results of PBT and vPvB assessment

- PBT: Not applicable.

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- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**- **Description:** Mixture of substances- **Dangerous components:**

CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25	propan-2-ol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	10-20%
CAS: 78-83-1 EINECS: 201-148-0 Reg.nr.: 01-2119484609-23	butanol ⚠ Flam. Liq. 3, H226; ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; STOT SE 3, H335-H336	<2%

- **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**- **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** No further relevant information available.- **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

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.- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.- **5.3 Advice for firefighters**- **Protective equipment:** Do not inhale explosion gases or combustion gases.- **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** Not required.- **6.2 Environmental precautions:** 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).

- **6.4 Reference to other sections**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special precautions necessary if used correctly.- **Information about protection against explosions and fires:** Protect from heat.

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- 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.
- Storage class
- 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

- Additional information about design of technical systems: No further data; see item 7.

- 8.1 Control parameters

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

67-63-0 propan-2-ol

WEL	Short-term value: 1250 mg/m ³ , 500 ppm
	Long-term value: 999 mg/m ³ , 400 ppm

78-83-1 butanol

WEL	Short-term value: 231 mg/m ³ , 75 ppm
	Long-term value: 154 mg/m ³ , 50 ppm

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

- 8.2 Exposure controls

- Personal protective equipment
- General protective and hygienic measures Wash hands during breaks and at the end of the work.
- Breathing equipment: Not required.
- Protection of hands:



Not required.

- Material of gloves

Nitrile rubber, NBR
Neoprene gloves

- Penetration time of glove material Not applicable

- Eye protection:



Safety glasses recommended during refilling.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- General Information

- Appearance:

Form:	Liquid
Colour:	White
Odour:	Pleasant
Odour threshold:	Not determined.

- pH-value at 20 °C:	5 - 6
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- Change in condition	
Melting point/freezing point:	-10 °C
Initial boiling point and boiling range:	> 80 °C
- Flash point:	>60 °C
- Inflammability (solid, gaseous)	Not applicable.
- Ignition temperature:	425 °C
- Decomposition temperature:	Not determined.
- Self-inflammability:	Product is not selfigniting.
- Explosive properties:	Product is not explosive.
- Critical values for explosion:	
Lower:	2.0 Vol %
Upper:	12.0 Vol %
- Vapour pressure at 20 °C:	43 hPa
- Density at 20 °C	1 g/cm ³
- Relative density	Not determined.
- Vapour density	Not determined.
- Evaporation rate	Not determined.
- Solubility in / Miscibility with	
Water:	Partly miscible
- Partition coefficient: n-octanol/water:	Not determined.
- Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
- 9.2 Other information	No further relevant information available.

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 toxicological effects
- Acute toxicity Based on available data, the classification criteria are not met.

- LD/LC50 values that are relevant for classification:

67-63-0 propan-2-ol		
Oral	LD50	5840 mg/Kg (rat)
Dermal	LD50	13400 mg/Kg (rab)
78-83-1 butanol		
Oral	LD50	2460 mg/Kg (rat)
Dermal	LD50	4200 mg/Kg (rbt)
112-34-5 2-(2-butoxyethoxy)ethanol		
Oral	LD50	5660 mg/Kg (rat)
Dermal	LD50	4000 mg/Kg (rbt)
64-19-7 acetic acid		
Oral	LD50	3310 mg/Kg (rat)

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67-56-1 methanol

Oral	LD50	13000 mg/Kg (rat)
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64-17-5 ethanol

Oral	LD50	7060 mg/Kg (rat)
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- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **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.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity**- Aquatic toxicity:****67-63-0 propan-2-ol**

LC50 (4 h)	30 mg/L (rat)
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64-17-5 ethanol

LC50 (4 h)	20000 mg/L (rat)
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- **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.
- **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.
The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

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.

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SECTION 14: Transport information

- UN-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
- Packing group	
- ADR, IMDG, IATA	Void
- 14.5 Environmental hazards:	Not applicable.
- 14.6 Special precautions for user	Not applicable.
- Stowage Category	E
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	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.
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- National regulations
- Classification according to VbF: Void
- Technical instructions (air):

Class	Share in %
Wasser	86.6
NK	10.3

- 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
 - H225 Highly flammable liquid and vapour.
 - H226 Flammable liquid and vapour.
 - H315 Causes skin irritation.
 - H318 Causes serious eye damage.
 - H319 Causes serious eye irritation.
 - H335 May cause respiratory irritation.
 - 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)

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*LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**Flam. Liq. 2: Flammable liquids – Category 2**Flam. Liq. 3: Flammable liquids – Category 3**Skin Irrit. 2: Skin corrosion/irritation – Category 2**Eye Dam. 1: Serious eye damage/eye irritation – Category 1**Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**STOT SE 3: Specific target organ toxicity (single exposure) – Category 3***- * Data compared to the previous version altered.**

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