

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

Printing date 02.01.2017

Version number 1

Revision: 02.01.2017

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

- 1.1 Product identifier

- Trade name: **VERITAS**

- 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 Alcohol cleaner

- 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



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

- 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



GHS02



GHS07

- Signal word **Danger**

- Hazard-determining components of labelling:

propan-2-ol

- Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 02.01.2017

Version number 1

Revision: 02.01.2017

Trade name: **VÈRITAS**

(Contd. of page 1)

H336 May cause drowsiness or dizziness.

- Precautionary statements

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Wear protective gloves / eye protection.

P233 Keep container tightly closed.

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

P332+P313 If skin irritation occurs: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- 2.3 Other hazards**- Results of PBT and vPvB assessment****- PBT:** Not applicable.**- 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	70-100%
CAS: 107-98-2 EINECS: 203-539-1 Reg.nr.: 01-2119457435-35-0001	1-methoxypropan-2-ol ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336	5-15%
CAS: 111-76-2 EINECS: 203-905-0 Reg.nr.: 01-2119475108-36	2-butoxyethanol ⚠ Acute Tox. 4, H302; ⚠ Acute Tox. 4, H312; ⚠ Acute Tox. 4, H332; ⚠ Skin Irrit. 2, H315; ⚠ Eye Irrit. 2, H319	5-15%
CAS: 71-36-3 EINECS: 200-751-6 Reg.nr.: 01-2119484630-38	butan-1-ol ⚠ Flam. Liq. 3, H226; ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; ⚠ Skin Irrit. 2, H315; STOT SE 3, H335-H336	<2%

- Regulation (EC) No 648/2004

perfumes (Amberonne, Alpha Hexyl Cinnamaldehyde)

- 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. Then consult doctor.**- 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.**- For safety reasons unsuitable extinguishing agents** Water with a full water jet.

(Contd. on page 3)

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

Printing date 02.01.2017

Version number 1

Revision: 02.01.2017

Trade name: VÈRITAS

(Contd. of page 2)

- **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.
- **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**
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**
Prevent material from reaching sewage system, holes and cellars.
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).
Ensure adequate ventilation.
- **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**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect from heat.
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**
Store in cool location.
Store only in the original container.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed containers.
- **Storage class**
- **Class according to regulation on inflammable liquids:** B
- **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

(Contd. on page 4)

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

Printing date 02.01.2017

Version number 1

Revision: 02.01.2017

Trade name: VÈRITAS

(Contd. of page 3)

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

111-76-2 2-butoxyethanol

WEL	Short-term value: 246 mg/m ³ , 50 ppm
	Long-term value: 123 mg/m ³ , 25 ppm
	Sk, BMGV

71-36-3 butan-1-ol

WEL	Short-term value: 154 mg/m ³ , 50 ppm
	Sk

- DNELs**71-36-3 butan-1-ol**

Oral	Long term-systemic	3125 mg/Kg (Consumers)
Inhalative	Local long-term effects	310 mg/m ³ (Industrial Workers)
		55 mg/m ³ (Consumers)

- PNECs**111-76-2 2-butoxyethanol**

PNEC STP	463 mg/L (STP)
Soft Water	8.8 mg/L (Water)
Sea water	0.88 mg/L (Water)
Sediment (soft water)	34.6 mg/Kg (Water)
Sediment (sea water)	3.46 mg/Kg (Water)

71-36-3 butan-1-ol

Soil	0.015 mg/Kg (Soil)
Soft Water	0.082 mg/L (Water)
Sea water	0.0082 mg/L (Water)
Sediment (soft water)	0.178 mg/Kg (Water)
Sediment (sea water)	0.0178 mg/Kg (Water)

- Ingredients with biological limit values:**111-76-2 2-butoxyethanol**

BMGV	240 mmol/mol creatinine
	Medium: urine
	Sampling time: post shift
	Parameter: butoxyacetic acid

- 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**

Take off immediately all contaminated clothing
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes.

- Breathing equipment: Not required.

- Protection of hands:

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.



Protective gloves.

(Contd. on page 5)

GB

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

Printing date 02.01.2017

Version number 1

Revision: 02.01.2017

Trade name: VÈRITAS

(Contd. of page 4)

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

- Material of gloves

Nitrile rubber, NBR

Neoprene gloves

- Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye protection:

Tightly sealed safety glasses.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties**- General Information****- Appearance:****Form:** Liquid**Colour:** Colourless**- Odour:** Alcohol-like**- Odour threshold:** Not determined.**- pH-value:** Not determined.**- Change in condition****Melting point/Melting range:** Not determined**Boiling point/Boiling range:** 82 °C**- Flash point:** 13 °C**- Inflammability (solid, gaseous)** Not applicable.**- Ignition temperature:** 240 °C**- Decomposition temperature:** Not determined.**- Self-inflammability:** Product is not selfigniting.**- Danger of explosion:** Product is not explosive. However, formation of explosive air/steam mixtures is possible.**- Critical values for explosion:****Lower:** 1.1 Vol %**Upper:** 20.0 Vol %**- Vapour pressure at 20 °C:** 43 hPa**- Density at 20 °C** 0.81 g/cm³**- Relative density** Not determined.**- Vapour density** Not determined.**- Evaporation rate** Not determined.**- Solubility in / Miscibility with****Water:** Not miscible or difficult to mix**- Partition coefficient (n-octanol/water):** Not determined.**- Viscosity:****dynamic:** Not determined.**kinematic:** Not determined.**- Solvent content:****Organic solvents:** 99.8 %**Water:** 0.0 %**- 9.2 Other information** No further relevant information available.

GB
(Contd. on page 6)

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

Printing date 02.01.2017

Version number 1

Revision: 02.01.2017

Trade name: VÈRITAS

(Contd. of page 5)

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)
	LC50/4 h	30 mg/L (rat)

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

Oral	LD50	5000 mg/Kg (rat)
Dermal	LD50	13500 mg/Kg (rbt)
	LC50/4 h	6 mg/L (rat)

111-76-2 2-butoxyethanol

Oral	LD50	1480 mg/Kg (rat)
Dermal	LD50	400 mg/Kg (rab)

71-36-3 butan-1-ol

Oral	LD50	2292 mg/Kg (rat)
Dermal	LD50	3430 mg/Kg (Rabbit)
	LC50/4 h	> 17.76 mg/L (rat)

91-64-5 Coumarin

Oral	LD50	293 mg/Kg (rat)
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106-22-9 Citronellol

Oral	LD50	3450 mg/Kg (rat)
Dermal	LD50	2650 mg/Kg (rbt)

128-37-0 2,6-di-tert-butyl-p-cresol

Oral	LD50	890 mg/Kg (rat)
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- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **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**
May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.

(Contd. on page 7)

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

Printing date 02.01.2017

Version number 1

Revision: 02.01.2017

Trade name: VÈRITAS

(Contd. of page 6)

- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity

- Aquatic toxicity:

111-76-2 2-butoxyethanol

LC50/96 h	1474 mg/L (Fish)
EC50/48 h	1550 mg/L (Daphnia)
EC50/96 h	911 mg/L (Algae)
EC50/72h	1840 mg/L (Algae)

71-36-3 butan-1-ol

LC50/96 h	1376 mg/L (Fish)
EC50/96 h	225 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.

- 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.

Can be deposited with household garbage with prior chemical-physical or biological treatment following consultations with the operator of the waste disposal facility and the pertinent authorities and under adherence to the necessary technical regulations.

- Uncleaned packagings:

- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- UN-Number

- ADR, IMDG, IATA

UN1993

- 14.2 UN proper shipping name

- ADR

FLAMMABLE LIQUID, N.O.S. (vapour pressure at 50 °C not more than 110 kPa) (ISOPROPANOL (ISOPROPYL ALCOHOL), ETHANOL (ETHYL ALCOHOL))

- IMDG

FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL), ETHANOL (ETHYL ALCOHOL))

(Contd. on page 8)

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


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Version number 1

Revision: 02.01.2017

Trade name: VÈRITAS

(Contd. of page 7)

- IATA	FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL), ETHANOL)
- 14.3 Transport hazard class(es)	
- ADR, IMDG, IATA	
	
- Class	3 Flammable liquids.
- Label	3
- Packing group	
- ADR, IMDG, IATA	II
- 14.5 Environmental hazards:	Not applicable.
- 14.6 Special precautions for user	Warning: Flammable liquids.
- Kemler Number:	33
- EMS Number:	F-E, <u>S-E</u>
- Stowage Category	B
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
- Transport/Additional information:	
- ADR	
- Limited quantities (LQ)	1L
- Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
- Transport category	2
- Tunnel restriction code	D/E
- IMDG	
- Limited quantities (LQ)	1L
- Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

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.
- Seveso category P5c FLAMMABLE LIQUIDS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- National regulations
- Classification according to VbF: B
- Technical instructions (air):

Class	Share in %
NK	99.8

- 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.

(Contd. on page 9)

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

Printing date 02.01.2017

Version number 1

Revision: 02.01.2017

Trade name: VÈRITAS

(Contd. of page 8)

SECTION 16: Other information

- Relevant phrases

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

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)

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. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

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.