

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** Milacor Whiteboard Finish Aqua
- **Application of the substance / the preparation** Lacquer
- **Manufacturer/Supplier:**
Milacor Techn. Handel
Am Wiesengrund 5
D- 33449 Langenberg
Tel.: 0049 5248 821434
FAx.: 0049 5248 6837
- **Information in case of emergency:** Tel.: 0049 5248 821434







2 Hazards identification

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 7779-90-0 EINECS: 231-944-3	Preparation based on zincphosphate (supplier's classification)  N; R 51/53	2.5-10%
CAS: 111-76-2 EINECS: 203-905-0	2-butoxyethanol  Xn,  Xi; R 20/21/22-36/38	≤ 2.5%
	Phosphorsäureester  C; R 34	≤ 2.5%
CAS: 108-01-0 EINECS: 203-542-8	2-dimethylaminoethanol  C,  Xn; R 10-20/21/22-34	≤ 2.5%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

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6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:**
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Use only in well ventilated areas.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** None.
- **Storage class:** 10

8 Exposure controls/personal protection

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

111-76-2 2-butoxyethanol

WEL	Short-term value: 50 ppm
	Long-term value: 25 ppm
	Sk

108-01-0 2-dimethylaminoethanol

WEL	Short-term value: 22 mg/m ³ , 6 ppm
	Long-term value: 7.4 mg/m ³ , 2 ppm

- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Respiratory protection:** Use suitable respiratory protective device only when aerosol or mist is formed.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **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.

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· **Eye protection:** Goggles recommended during refilling

9 Physical and chemical properties

· General Information

Form:	Fluid
Colour:	According to product specification
Odour:	Characteristic

· Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: 100°C

· **Flash point:** Not applicable.

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Vapour pressure at 20°C:** 23 hPa

· **Density at 20°C:** 1.358 g/cm³ (DIN 53217)

· **Solubility in / Miscibility with water:** Fully miscible.

· Viscosity:

Kinematic at 20°C: 125 s (DIN 53211/4)

· Solvent content:

Organic solvents:	3.6 %
Water:	39.7 %
VOC (EC)	107.4 g/l

· **Solids content (weight-%):** 53.9 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** Carbon monoxide

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

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Safety Data Sheet

according to 1907/2006/EC, Article 31

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12 Ecological information

· **Ecotoxicological effects:**

· **Acquatic toxicity:**

7779-90-0 Preparation based on zincphosphate (supplier's classification)

EC50 | 63.1 mg/kg (daphnia)

· **Remark:** Harmful to fish

· **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 course or sewage system.

Harmful to aquatic organisms

13 Disposal considerations

· **Product:**

· **Recommendation**

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

· **European waste catalogue**

08 01 12 | waste paint and varnish other than those mentioned in 08 01 11

· **Uncleaned packaging:**

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

· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

· **Land transport ADR/RID (cross-border)**

· **ADR/RID class:** -

· **Maritime transport IMDG:**

· **IMDG Class:** -

· **Marine pollutant:** No

· **Air transport ICAO-TI and IATA-DGR:**

· **ICAO/IATA Class:** -

15 Regulatory information

· **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· **Risk phrases:**

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **National regulations:**

· **Information about limitation of use:**

13463-67-7	titanium dioxide	3A
14807-96-6	Talk	3B
111-76-2	2-butoxyethanol	4

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1344-28-1	aluminium oxide	2
64-17-5	ethanol	5

Class	Share in %
NK	2,5-10

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant R-phrases**

10 Flammable.

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

34 Causes burns.

36/38 Irritating to eyes and skin.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· * **Data compared to the previous version altered.**

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