

1 Identification of substance**Product details****Trade name:** WB 7000 Series Inks**Application of the substance / the preparation** Dry Erase Ink for Board Marker**Manufacturer/Supplier:**

DOKUMENTAL GmbH & Co KG Schreibfarben

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Emergency information:

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2 Composition/Data on components**Chemical characterization**

Mixture of the following substances, containing non-hazardous substances and colouring agents.

Description: Mixture of the substances listed below with nonhazardous additions.**Dangerous components:**

123-86-4 n-butyl acetate

50-100%

107-98-2 1-methoxy-2-propanol

Additional information: For the wording of the listed risk phrases refer to section 16.**3 Hazards identification****Hazard description:** Not applicable.**Information pertaining to particular dangers for man 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.

Has a narcotizing effect.

Flammable.

Vapours may cause drowsiness and dizziness

Classification system:

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

NFPA ratings (scale 0 - 4)

Health = 2

Fire = 3

Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health = 2

Fire = 3

Reactivity = 0

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.

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After swallowing: If symptoms persist consult doctor.

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5 Fire fighting measuresSuitable extinguishing agents: CO₂, sand, extinguishing powder. Do not use water.

For safety reasons unsuitable extinguishing agents:

Water

Water with full jet

Protective equipment: No special measures required.

6 Accidental release measures

Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection: 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).

Do not flush with water or aqueous cleansing agents

7 Handling and storage

Handling:

Information for safe handling:

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

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

Further information about storage conditions: Keep receptacle tightly sealed.

8 Exposure controls and personal protection

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

Components with limit values that require monitoring at the workplace:

123-86-4 n-butyl acetatePEL 710 mg/m³, 150 ppmREL Short-term value: 950 mg/m³, 200 ppmLong-term value: 710 mg/m³, 150 ppmTLV Short-term value: 950 mg/m³, 200 ppmLong-term value: 713 mg/m³, 150 ppm**107-98-2 1-methoxy-2-propanol**REL Short-term value: 540 mg/m³, 150 ppmLong-term value: 360 mg/m³, 100 ppmTLV Short-term value: 553 mg/m³, 150 ppmLong-term value: 369 mg/m³, 100 ppm

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

Personal protective equipment:

General protective and hygienic measures: Wash hands before breaks and at the end of work.

Breathing equipment: Not required.

Protection of hands:



Protective gloves

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

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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.

Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

General Information

Form:	liquid
Color:	Not determined
Odor:	according to individual product name
Important information on protection of health and environment, and on safety.	typical
	n.a.

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	120°C (248°F)

Flash point:	21 - 55°C (70 - 131°F)
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Ignition temperature:	270.0°C (518°F)
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Auto igniting:	Product is not selfigniting.
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Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
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Explosion limits:

Lower:	2.3 Vol %
Upper:	10.4 Vol %

Vapor pressure at 20°C (68°F):	12.0 hPa (9 mm Hg)
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Density at 20°C (68°F):	0.896 g/cm³
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Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
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Viscosity:

Dynamic at 20°C (68°F):	15 mPas
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Solvent content:

Organic solvents:	100.0 %
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10 Stability and reactivity

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Dangerous reactions No dangerous reactions known.

Dangerous products of decomposition: No dangerous decomposition products known.

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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12 Ecological information· **General notes:**

Water hazard class 1 (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.

13 Disposal considerations· **Product:**· **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.**14 Transport information**· **DOT regulations:**

- Hazard class: 3
- Identification number: UN1263
- Packing group: III
- Proper shipping name (technical name): PAINT
- Label: 3

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

- ADR/RID class: 3 (F1) Flammable liquids
- Danger code (Kemler): 30
- UN-Number: 1263
- Packaging group: III
- Description of goods: 1263 PAINT

· **Maritime transport IMDG:**

- IMDG Class: 3
- UN Number: 1263
- Label: 3
- Packaging group: III
- EMS Number: F-E,S-E
- Marine pollutant: No
- Proper shipping name: PAINT

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

- ICAO/IATA Class: 3
- UN/ID Number: 1263
- Label: 3
- Packaging group: III
- Proper shipping name: PAINT

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15 Regulations**Sara****Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

TSCA (Toxic Substances Control Act):

All ingredients are listed.

Proposition 65**Chemicals known to cause cancer:**

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity:

None of the ingredients is listed.

Carcinogenicity categories**EPA (Environmental Protection Agency)**

None of the ingredients is listed.

IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

NTP (National Toxicology Program)

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

MAK (German Maximum Workplace Concentration)

None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

Product related hazard informations:

The product has been classified and marked in accordance with directives on hazardous materials.

Risk phrases:

Flammable.

Vapours may cause drowsiness and dizziness

Safety phrases:

Keep out of the reach of children.

Avoid contact with skin and eyes.

In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.

If swallowed, seek medical advice immediately and show this container or label.

Dispose of this material and its container at hazardous or special waste collection point

This material and its container must be disposed of as hazardous waste.

National regulations:**Technical instructions (air):**

Class	Share in %
NK	100.0

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

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.

* Data compared to the previous version altered.