

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

- **Product details**
- **Trade name:** Docu Violet blue
- **Application of the substance / the preparation** Ball Pen Ink
- **Manufacturer/Supplier:**
 DOKUMENTAL GmbH & Co KG Schreibfarben
 Woellnerstraße 26
 D-67065 Ludwigshafen
 Phone + 49(0)621/5402321
 Fax + 49(0)621/5402391
 www. dokumental.de
- **Further information obtainable from:**
 Technical Service, Dr. B. Polzin
 Tel.: +49-621-5402322
 Mobile +49-1726204412
 E-Mail: bernd.polzin@dokumental.de
- **Information in case of emergency:**
 GBK Gefahrgut Büro GmbH
 ++49 (0) 6132 / 84463
 Ingelheim, Deutschland

2 Hazards identification

- **Hazard description:**



Xn Harmful
 N Dangerous for the environment

- **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 22 Harmful if swallowed.
 R 36/38 Irritating to eyes and skin.
 R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R 68 Possible risk of irreversible effects.
- **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**
 Mixture of the following substances, containing non-hazardous substances and colouring agents.
- **Description:** Mixture of substances listed below with nonhazardous additions.

• **Dangerous components:**

CAS: 122-99-6 EINECS: 204-589-7	2-Phenoxyethanol ☒ Xn, ☒ Xi; R 22-36	10-25%
CAS: 100-51-6 EINECS: 202-859-9	Benzyl alcohol ☒ Xn; R 20/22	2,5-10%
CAS: 90506-69-7	Ethylhexyl phosphoric acid ester. ☒ C, ☒ Xn; R 22-34	2,5-10%

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CAS: 8005-02-5	C. I. Solvent Black 7 ☒ Xn; R 48/20/21/22	2,5-10%
CAS: 495-54-5 EINECS: 207-803-7	C. I. Solvent Orange 3 ☒ Xn, ☒ Xi, ☒ N; R 22-38-68-50/53	2,5-10%
CAS: 52080-58-7 EINECS: 282-630-8	C. I. Solvent Violet 8 ☒ Xn, ☒ Xi, ☒ N; R 22-41-50/53	2,5-10%

• **Additional information:**

For the wording of the listed risk phrases refer to section 16.

4 First-aid measures

• **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

• **After inhalation:**

In case of unconsciousness place patient stably in side position for transportation.

• **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

Immediately rinse with water.

• **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

• **After swallowing:** Call for a doctor immediately.

5 Fire-fighting measures

• **Suitable extinguishing agents:**

Use fire extinguishing methods suitable to surrounding conditions.

• **Protective equipment:** No special measures required.

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. 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).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

7 Handling and storage

• **Handling:**

• **Information for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

• **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:** Not required.

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- **Further information about storage conditions:** Keep container tightly sealed.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:**
No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Respiratory protection:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **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

- **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:	Fluid
Colour:	According to product specification
Odour:	Characteristic

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Important information on protection of health and environment, and on safety. -	
-	
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	185°C
· Flash point:	101°C
· Ignition temperature:	371°C
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	1,4 Vol %
Upper:	12,6 Vol %
· Vapour pressure at 20°C:	0,1 hPa
· Density:	Not determined.
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· pH-value at 20°C:	5,3
· Viscosity:	
Dynamic at 20°C:	18500 mPas
· Solvent content:	
Organic solvents:	39,7 %
· Solids content:	41,1 %

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:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**

· LD/LC50 values relevant for classification:		
52080-58-7 C. I. Solvent Violet 8		
Oral	LD50	700 mg/kg (Ratte)
509-34-2 C. I. Solvent Red 49		
Oral	LD50	1830 mg/kg (Ratte)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

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Safety Data Sheet

according to 1907/2006/EC, Article 31

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Harmful
Irritant

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12 Ecological information

- **Ecotoxicological effects:**
- **Remark:** Toxic for 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.

Also poisonous for fish and plankton in water bodies.

Toxic for 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 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 13	sludges from paint or varnish containing organic solvents or other dangerous substances

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

14 Transport information

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



- **ADR/RID class:** 9 (M6) Miscellaneous dangerous substances and articles.
- **Danger code (Kemler):** 90
- **UN-Number:** 3082
- **Packaging group:** III
- **Hazard label** 9
- **Description of goods:** 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (C. I. Solvent Orange 3, C. I. Solvent Violet 8)
- **Limited quantities (LQ)** LQ7

- **Maritime transport IMDG:**



- **IMDG Class:** 9

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- **UN Number:** 3082
- **Label** 9
- **Packaging group:** III
- **EMS Number:** F-A,S-F
- **Marine pollutant:** No
- **Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (C. I. Solvent Orange 3, C. I. Solvent Violet 8)

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



- **ICAO/IATA Class:** 9
- **UN/ID Number:** 3082
- **Label** 9
- **Packaging group:** III
- **Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (C. I. Solvent Orange 3, C. I. Solvent Violet 8)

15 Regulatory information

- **Labelling according to EU guidelines:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

- **Code letter and hazard designation of product:**



Xn Harmful
N Dangerous for the environment

- **Hazard-determining components of labelling:**
C. I. Solvent Orange 3
- **Risk phrases:**
22 Harmful if swallowed.
36/38 Irritating to eyes and skin.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
68 Possible risk of irreversible effects.
- **Safety phrases:**
9 Keep container in a well-ventilated place.
23 Do not breathe vapour.
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
57 Use appropriate container to avoid environmental contamination.

- **National regulations:**

- **Technical instructions (air):**

Class	Share in %
NK	25-50

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

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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**

- 20/22 Harmful by inhalation and if swallowed.
- 22 Harmful if swallowed.
- 34 Causes burns.
- 36 Irritating to eyes.
- 38 Irritating to skin.
- 41 Risk of serious damage to eyes.
- 48/20/21/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
- 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 68 Possible risk of irreversible effects.

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

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