

Material Safety Data Sheet

According to 91/155 EEC

Printing date 09.01.2007

Reviewed on 09.01.2007





1 Identification of substance:

- **Product details:**
- **Trade name:** Spezialstempelfarbe 191 BLAU (stamp ink 191 blue)
- **Article number:** 191/3
- **Application of the substance / the preparation** stamp ink
- **Informing department:**
Noris-Color GmbH
Ziegelhüttener Str. 1
Germany-95326 Kulmbach
- Phone: +49(0) 9221 - 92 00 0
Fax: +49(0) 9221 - 92 00 90
- **Emergency information:** local emergency department

2 Composition/Data on components:

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

- **Dangerous components:**

CAS: 34590-94-8 EINECS: 252-104-2	(2-methoxymethylethoxy)propanol		50-100%
CAS: 107-98-2 EINECS: 203-539-1	1-methoxypropan-2-ol	R 10 	10-25%
CAS: 71-36-3 EINECS: 200-751-6	butan-1-ol	 Xn; R 10-22-37/38-41-67	2.5-10%
	C.I.Basic Blue 7 (C.I.42595)	 T,  N; R 25-41-50/53	< 2.5%

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

3 Hazards identification

- **Hazard designation:**



Xi Irritant

- **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.
R 10 Flammable.
R 25 Toxic if swallowed.
R 36 Irritating to eyes.
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Classification system**
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

4 First aid measures

- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** Wash with water and soap.
- **After eye contact** Rinse eye with opened eyelid under running water for several minutes. Consult doctor!

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- **After swallowing** Consult doctor immediately.

5 Fire fighting measures

- **Suitable extinguishing agents** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents**
Water.
Water with a full water 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 product to reach sewage system or water bodies.
Inform respective authorities in case product reaches water or sewage system.
Do not allow to enter drainage system, surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents

7 Handling and storage

- **Handling**
- **Information for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Open and handle container with care.
Prevent formation of aerosols.
- **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 containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

8 Exposure controls and personal protection

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

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

34590-94-8 (2-methoxymethylethoxy)propanol	
WEL	Long-term value: 308 mg/m ³ , 50 ppm
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
71-36-3 butan-1-ol	
WEL	Short-term value: 154 mg/m ³ , 50 ppm

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

- **Personal protective equipment**
- **General protective and hygienic measures**
Keep away from foodstuffs, beverages and food.
Take off immediately all contaminated clothing

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Wash hands during breaks and at the end of the work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· Breathing equipment:

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

· 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 safety glasses.*

9 Physical and chemical properties:

· General Information

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

· Change in condition

Melting point/Melting range: Not determined

Boiling point/Boiling range: 120°C

· Flash point: 35°C

· Ignition temperature: 270.0°C

· Self-flammability: 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:	14.0 Vol %

· Vapour pressure at 20°C: 12.0 hPa

· Density Not determined

· Solubility in / Miscibility with

Water: Not miscible or difficult to mix

· Solvent content:

Organic solvents:	82.0 %
Water:	0.0 %

· Solids content: 18.0 %

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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:** Irritation possible.
 - **on the eye:** Irritant effect.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Irritant

12 Ecological information:

- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.
Do not allow product to reach ground water, water bodies or sewage system.
Danger to drinking water if even small quantities leak into soil.
Harmful to aquatic organisms

13 Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Waste disposal key number:** 080111 (waste containing organic solvents)
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

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



- **ADR/RID-GGVS/E Class:** 3 Flammable liquids.
- **Kemler Number:** 36
- **UN-Number:** 1263
- **Packaging group:** III
- **Label:** 3+6.1

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· **Designation of goods:** 1263 FLAMMABLE PAINT, (1-METHOXY-2-PROPANOL, Toxic Triarylmethan-dyestuff)

· **Maritime transport IMDG:**



· **IMDG Class:** 3
 · **UN Number:** 1263
 · **Label** 3+6.1
 · **Packaging group:** III
 · **EMS Number:** F-E,S-D
 · **Marine pollutant:** No
 · **Correct technical name:** FLAMMABLE PAINT, (1-methoxypropan-2-ol, Toxic Triarylmethan-dyestuff)

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



· **ICAO/IATA Class:** 3
 · **UN/ID Number:** 1263
 · **Label** 3+6.1
 · **Packaging group:** III
 · **Correct technical name:** FLAMMABLE PAINT, (1-methoxypropan-2-ol, Toxic Triarylmethan-dyestuff)

15 Regulatory information

· **Designation according to EC guidelines:**

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)

· **Code letter and hazard designation of product:** Xi Irritant

· **Risk phrases:**

10 Flammable.
 25 Toxic if swallowed.
 36 Irritating to eyes.
 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Safety phrases:**

2 Keep out of the reach of children.
 7/9 Keep container tightly closed and in a well-ventilated place.
 13 Keep away from food, drink and animal feedingstuffs.
 23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
 24/25 Avoid contact with skin and eyes.
 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

· **National regulations**

· **Technical instructions (air):**

Class	Share in %
I	2.0
NK	82.0

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· Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.**16 Other information:**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant R-phrases

10 Flammable.

22 Harmful if swallowed.

25 Toxic if swallowed.

37/38 Irritating to respiratory system and skin.

41 Risk of serious damage to eyes.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

67 Vapours may cause drowsiness and dizziness.

· Department issuing data specification sheet: laboratory / product safety**· Contact: M.Herrmann**

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