

Material Safety Data Sheet

According to 91/155 EC

Printing date 05.09.2001

Reviewed on 07.08.1996

1 Identification of substance:

- **Product details:**
- **Trade name:** Special stamp pad ink, red
- **Article number:** 191
- **Informing department:** Product safety department.

2 Composition/Data on components:

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

- **Dangerous components:**

34590-94-8	(2-methoxymethylethoxy)propanol		50-100%
107-98-2	1-methoxypropan-2-ol	R 10	10-25%
71-36-3	butan-1-ol	☒ Xn; R 10-22-37/38-41-67	2.5-10%
	Methin-Farbstoff-Zubereitung	☒ Xi; R 36/38	< 2.5%
	C.I. Basic Violet 10	☒ Xn; R 22-37-41	< 2.5%
	C.I. Basic Red 108	☒ Xn; R 22-37-41	< 2.5%

3 Hazards identification

- **Hazard designation:**



Xi Irritant

- **Information pertaining to particular dangers for man and environment** R 36 Irritating to eyes.
- **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** The product is not skin irritating.
- **After eye contact**
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing** In case of persistent symptoms consult doctor.

5 Fire fighting measures

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

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** 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).

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7 Handling and storage

- **Handling**
- **Information for safe handling:** No special requirements
- **Information about protection against explosions and fires:** No special measures required.
- **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.
- **Storage class**
- **Class according to regulation on inflammable liquids:** A III

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	
OES	Long-term value: 308 mg/m ³ , 50 ppm
	Sk, ILV
107-98-2 1-methoxypropan-2-ol	
OES	Short-term value: 1120 mg/m ³ , 300 ppm
	Long-term value: 375 mg/m ³ , 100 ppm
	Sk
71-36-3 butan-1-ol	
OES	Short-term value: 154 mg/m ³ , 50 ppm
	Sk

- **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
- 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:** Not required.
- **Protection of hands:** Protective gloves.
- **Eye protection:** Tightly sealed safety glasses.

9 Physical and chemical properties:

- | | |
|------------------|------------------------------------|
| · Form: | Fluid |
| · Colour: | According to product specification |
| · Odour: | Characteristic |

- **Change in condition**
- Melting point/Melting range:** Not determined
- Boiling point/Boiling range:** Not determined

- | | |
|--------------------------------|------------------------------|
| · Flash point: | > 55°C |
| · Ignition temperature: | 270.0°C |
| · Self-inflammability: | Product is not selfigniting. |
| · Danger of explosion: | Product is not explosive. |

- **Critical values for explosion:**
- Lower:** 1.1 Vol %
- Upper:** 14.0 Vol %

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· 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:	81.1 %
Water:	0.0 %
· Solids content:	0.0 %

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:** 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:

- **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.

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

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



- **ADR/RID-GGVS/E Class:** 3 Flammable liquids.
- **Number/Letter:** 31c

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- **Kemler Number:** 30
- **UN-Number:** 1263
- **Label** 3
- **Designation of goods:** 1263 Paint

· **Maritime transport IMDG:**



- **IMDG Class:** 3.3
- **Page:** 3372
- **UN Number:** 1263
- **Packaging group:** III
- **EMS Number:** 3-05
- **MFAG:** 310,313
- **Marine pollutant:** No
- **Correct technical name:** Paint

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



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1263
- **Packaging group:** III
- **Correct technical name:** Paint

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:** 36 Irritating to eyes.

· **Safety phrases:**

- 2 Keep out of the reach of children.
- 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.
- 46 If swallowed, seek medical advice immediately and show this container or label.

· **National regulations**

· **Classification according to VbF:** A III

· **Technical instructions (air):**

Class	Share in %
III	81.1

· **Water hazard class:** Water hazard class 1 (Self-assessment): slightly 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.

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- **Department issuing data specification sheet:** Environment protection department.
- **Contact:**

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