

Material Safety Data Sheet

According to 91/155 EC

Printing date 05.09.2001

Reviewed on 11.07.1997


1 Identification of substance:

- **Product details:**
- **Trade name:** Special stamp pad ink, black
- **Article number:** 191
- **Informing department:** Product safety department.
- **Emergency information:** s.o.

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%

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).

7 Handling and storage

- **Handling**
- **Information for safe handling:** No special requirements

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- **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/m³, 50 ppm
Sk, ILV

107-98-2 1-methoxypropan-2-ol

OES Short-term value: 1120 mg/m³, 300 ppm
Long-term value: 375 mg/m³, 100 ppm
Sk

71-36-3 butan-1-ol

OES Short-term value: 154 mg/m³, 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: 116°C
- **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 %
- **Vapour pressure at 20°C:** 12.0 hPa
- **Density** Not determined

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- | | |
|--|----------------------------------|
| · Solubility in / Miscibility with
Water: | Not miscible or difficult to mix |
| · Solvent content:
Organic solvents: | 75.0 % |
| 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
- **Kemler Number:** 30
- **UN-Number:** 1993
- **Label** 3

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· **Designation of goods:** 1993 Flammable liquid, n.o.s., 1-Methoxy-2-propanol

· **Maritime transport IMDG:**



· **IMDG Class:** 3.3
 · **Page:** 3345
 · **UN Number:** 1993
 · **Packaging group:** III
 · **EMS Number:** 3-07
 · **MFAG:** 310
 · **Marine pollutant:** No
 · **Correct technical name:** Flammable liquid, n.o.s., 1-methoxypropan-2-ol

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



· **ICAO/IATA Class:** 3
 · **UN/ID Number:** 1993
 · **Packaging group:** III
 · **Correct technical name:** Flammable liquid, n.o.s., 1-methoxypropan-2-ol

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.
 7/9 Keep container tightly closed and in a well-ventilated place.
 13 Keep away from food, drink and animal feedingstuffs.
 24/25 Avoid contact with skin and eyes.

· **National regulations**

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

· **Technical instructions (air):**

Class	Share in %
III	75.0

· **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.

· **Department issuing data specification sheet:** Environment protection department.

· **Contact:**