

## Material Safety Data Sheet

According to 91/155 EC

Printing date 18.04.2005

Reviewed on 18.04.2005

### 1 Identification of substance:

**Product details:**

Trade name: Universal stamp pad ink, black, red, blue, green, violet, silver, gold, white, brown, orange, pink, yellow.

Article number: 199

Application of the substance / the preparation Stamp pad ink

**Informing department:**

Environment Protection Department

Noris Color GmbH

Ziegelhüttenstr. 1

D-95326 Kulmbach

Tel: 09221 92000

Fax: 09221 920090

Emergency information: s.o.

### 2 Composition/Data on components:

**Chemical characterization**

Description: Mixture of the substances listed below with harmless additions.

**Dangerous components:**

CAS: 107-41-5	2-methylpentane-2,4-diol		10-25%
EINECS: 203-489-0			
CAS: 107-98-2	1-methoxypropan-2-ol	R 10	2.5-10%
EINECS: 203-539-1			

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

### 3 Hazards identification

Hazard designation: void

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.

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.

After swallowing In case of persistent symptoms consult doctor.

### 5 Fire fighting measures

Suitable extinguishing agents CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

For safety reasons unsuitable extinguishing agents

Water.

Water with a full water jet.

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Protective equipment: No special measures required.

#### 6. Accidental release measures

- Person-related safety precautions:
  - Ensure adequate ventilation
  - Wear protective equipment. Keep unprotected persons away.
- 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).
  - 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.
    - Not required
  - 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: Store in cool location.
  - 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:

107-41-5 2-methylpentane-2,4-diol	OES	Short-term value: 123 mg/m <sup>3</sup> , 25 ppm Long-term value: 123 mg/m <sup>3</sup> , 25 ppm
107-98-2 1-methoxypropan-2-ol	OES	Short-term value: 560 mg/m <sup>3</sup> , 150 ppm Long-term value: 375 mg/m <sup>3</sup> , 100 ppm

IOELV, Sk

- Additional information: The lists that were valid during the compilation were used as basis.
- Personal protective equipment
- General protective and hygienic measures Wash hands during breaks and at the end of the work.
  - 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.

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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: 78°C

**Flash point:** > 21°C

**Ignition temperature:** 255.0°C

**Self-ignitability:** 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:	1.0 Vol %
Upper:	12.0 Vol %

**Vapour pressure at 20°C:** 10.0 hPa

**Density:** Not determined

**Solubility in / Miscibility with**

Water: Not miscible or difficult to mix

**Solvent content:**

Organic solvents:	52.9 %
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

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· **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 irritant effect.
- **Sensitization:** No sensitizing effect known.

#### 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.
- **Waste disposal key number:** 080111  
Ink and varnish wastes containing organic solvents or other dangerous substances.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

#### 14 Transport information

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



- **ADR/RID-GGVSE Class:** 3 Flammable liquids.
- **Keimlar Number:** 33
- **UN-Number:** 1993
- **Packaging group:** II
- **Label:** 3
- **Designation of goods:** 1993 FLAMMABLE LIQUID, N.O.S. (vapor pressure at 50°C at most 110 kPa) (Nigrosin Af.)

· **Maritime transport IMDG:**



- **IMDG Class:** 3

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· UN Number: 1993  
 · Label: 3  
 · Packaging group: II  
 · EMS Number: F-E,S-E  
 · Marine pollutant: No  
 · Correct technical name: FLAMMABLE LIQUID, N.O.S. (Nigrosin A fl.)

· Air transport ICAO-TI and IATA-DGR:



· ICAO/IATA Class: 3  
 · UN/ID Number: 1993  
 · Label: 3  
 · Packaging group: II  
 · Correct technical name: FLAMMABLE LIQUID, N.O.S. (Nigrosin A fl.)

#### 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)
- Risk phrases: 10 Flammable.
- Safety phrases:
- 2 Keep out of the reach of children.
  - 16 Keep away from sources of ignition - No smoking.
  - 23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
  - 24/25 Avoid contact with skin and eyes.
  - 33 Take precautionary measures against static discharges.
  - 38 In case of insufficient ventilation, wear suitable respiratory equipment.
- National regulations
- Technical instructions (air):

Class	Share in %
III	8.8
NK	44.1

· 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.

· Relevant R-phrases  
10 Flammable.

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

Wolfgang Potzel