

Material Safety Data Sheet

According to 91/155 EC

Printing date 09.01.2006

Reviewed on 17.07.2003



1 Identification of substance:

- **Product details:**
- **Trade name:** Stamp pad ink for PE/PP, black
- **Article number:** 196
- **Application of the substance / the preparation** Stamp pad ink
- **Informing department:** Product safety department.
- **Emergency information:**
Noris Color GmbH
Ziegelhüttener Str. 1
D-95326 Kulmbach
Tel: 09221 92000
Fax : 09221 920090

2 Composition/Data on components:

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

· **Dangerous components:**

| | | | |
|-------------------|------------------------------|--|--------|
| CAS: 64-17-5 | ethanol |  F; R 11 | 25-50% |
| EINECS: 200-578-6 | | | |
| | Methin-Farbstoff-Zubereitung |  Xi; R 36/38 | < 2.5% |

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

3 Hazards identification

· **Hazard designation:**



F Highly flammable

- **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 11 Highly 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** CO₂, 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 product to reach sewage system or water bodies.

Prevent material from reaching sewage system, holes and cellars.

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.

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.

Store in cool, dry conditions in well sealed containers.

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:**

64-17-5 ethanol

OES Long-term value: 1920 mg/m³, 1000 ppm

· **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.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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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-inflammability: *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: *1.3 Vol %*
Upper: *15.0 Vol %*

· Vapour pressure at 20°C: *59.0 hPa*

· Density at 20°C *0.890 g/cm³*

· Solubility in / Miscibility with

Water: *Not miscible or difficult to mix*

· Solvent content:

Organic solvents: *60.4 %*
Water: *0.0 %*

· Solids content: *20.0 %*

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*

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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-GGVS/E Class:** 3 Flammable liquids.
- **Kemler Number:** 33
- **UN-Number:** 1263
- **Packaging group:** II
- **Label:** 3
- **Designation of goods:** 1263 PAINT (vapor pressure at 50°C at most 110 kPa)

· Maritime transport IMDG:



- **IMDG Class:** 3
- **UN Number:** 1263
- **Label:** 3
- **Packaging group:** II
- **EMS Number:** F-E,S-E
- **Marine pollutant:** No

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· **Correct technical name:** PAINT· **Air transport ICAO-TI and IATA-DGR:**· **ICAO/IATA Class:** 3· **UN/ID Number:** 1263· **Label:** 3· **Packaging group:** II· **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:** F Highly flammable· **Risk phrases:** 11 Highly flammable.· **Safety phrases:**

2 Keep out of the reach of children.

7/9 Keep container tightly closed and in a well-ventilated place.

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.

29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

· **National regulations**· **Technical instructions (air):**

| Class | Share in % |
|-------|------------|
| III | 41.2 |
| NK | 19.3 |

· **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**

11 Highly flammable.

36/38 Irritating to eyes and skin.

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

Wolfgang Potzel