

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 09/23/2011

INITIAL INKING PRINTER

Reviewed on 09/23/2011

1 Identification of the substance/mixture and of the company/undertaking

- Product identifier
- Trade name: SF-stamp ink ColII (all color shades)
- Application of the substance / the preparation: Stamp ink
- Details of the supplier of the safety data sheet:
- Manufacturer/Supplier
Noris-Color GmbH
Ziegelhüttener Str.1
Germany-95326 Kulmbach
Phone: +49(0) 9221 - 92 00 0
Fax : +49(0) 9221 - 92 00 90
- Information department: Product safety department.
- Emergency telephone number: see "manufacturer/supplier" or mobile phone +49 (0) 179-6739109

2 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:

56-81-5 glycerol	25-50%
--------------------	--------

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

3 Hazards identification

- Classification of the substance or mixture
The product is not classified according to the Globally Harmonized System (GHS).
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.
- Information concerning particular hazards for human and environment:
The product does not have to be labelled due to the calculation procedure of international guidelines.
- Classification system:
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- Label elements
- Labelling according to EU guidelines:
Observe the general safety regulations when handling chemicals.
The product is not subject to identification regulations according to directives on hazardous materials.
- Safety phrases:
2 Keep out of the reach of children.
7 Keep container tightly closed.
18 Handle and open container with care.
20/21 When using do not eat, drink or smoke.
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
- Classification system:
- NFPA ratings (scale 0 - 4)
Health = 0
Fire = 1
Reactivity = 0
- HMIS-ratings (scale 0 - 4)
Health = 0
Fire = 1
Reactivity = 0

USA

(Contd. on page 2)

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 09/23/2011

Reviewed on 09/23/2011

Trade name: SF-stamp ink Col11 (all color shades)

(Contd. of page 1)

4 First aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin. Wash with water and soap.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist consult doctor.
- **After swallowing:** Rinse mouth well with water (only if person conscious). If symptoms persist consult doctor.

5 Firefighting measures

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:** Not required.
- **Environmental precautions:**
 - Do not allow product to reach sewage system or any water course.
 - Inform respective authorities in case of seepage into water course or sewage system.
 - Dilute with plenty of water.
 - Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections:**
 - No dangerous substances are released.
 - See Section 7 for information on safe handling.
 - See Section 8 for information on personal protection equipment.
 - See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
 - **Precautions for safe handling:** No special measures required.
 - Open and handle receptacle with care.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage:**
 - **Requirements to be met by storerooms and receptacles:** No special requirements.
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:** Keep receptacle tightly sealed.
 - **Specific end use(s):** No further relevant information available.

8 Exposure controls/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:**

56-81-5 glycerol

PEL	15* 5** mg/m ³
	*total dust **respirable fraction
TLV	10* ppm
	*Mist

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

(Contd. on page 3)

USA

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 09/23/2011

Reviewed on 09/23/2011

Trade name: SF-stamp ink Coll1 (all color shades)

(Contd. of page 2)

- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:**
Protective gloves recommended during refilling/handling large quantities.
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:** Goggles recommended during refilling/handling large quantities.

9 Physical and chemical properties

- | | |
|---|---|
| · General Information | |
| · Appearance: | |
| Form: | Fluid |
| Color: | According to product specification |
| · Odor: | Characteristic |
| · Odour threshold: | Not determined. |
| · pH-value: | Not determined. |
| · Change in condition | |
| Melting point/Melting range: | Undetermined. |
| Boiling point/Boiling range: | 290°C (554 °F) |
| · Flash point: | 177°C (351 °F) |
| · Flammability (solid, gaseous): | Not applicable. |
| · Ignition temperature: | 400°C (752 °F) |
| · Decomposition temperature: | Not determined. |
| · Auto igniting: | Product is not selfigniting. |
| · Danger of explosion: | Product does not present an explosion hazard. |
| · Explosion limits: | |
| Lower: | 0.9 Vol % |
| Upper: | Not determined. |
| · Vapor pressure at 20°C (68 °F): | 0.1 hPa |
| · Density: | Not determined. |
| · Relative density | Not determined. |
| · Vapour density | Not determined. |
| · Evaporation rate | Not determined. |
| · Solubility in / Miscibility with | |
| Water: | Fully miscible. |
| · Segregation coefficient (n-octanol/water): Not determined. | |

(Contd. on page 4)

USA

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 09/23/2011

Reviewed on 09/23/2011

Trade name: SF-stamp ink Col11 (all color shades)

(Contd. of page 3)

· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	50,0 - 65,0 %
Water:	15,0 - 35,0 %
VOC content:	0 %
· Solids content:	
	10,0 - 20,0 %
· Other information	
	No further relevant information available.

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- on the skin: No irritant effect.
- on the eye: No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

(Contd. on page 5)

USA

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 09/23/2011

Reviewed on 09/23/2011

Trade name: SF-stamp ink Col11 (all color shades)

· Recommended cleansing agent: Water, if necessary with cleansing agents.

(Contd. of page 4)

14 Transport information

- | | |
|---|-----------------|
| · UN-Number | |
| · DOT, ADR, ADN, IMDG, IATA | Void |
| · UN proper shipping name | |
| · DOT, ADR, ADN, IMDG, IATA | Void |
| · Transport hazard class(es) | |
| · DOT, ADR, ADN, IMDG, IATA | |
| · Class | Void |
| · Packing group | |
| · DOT, ADR, IMDG, IATA | Void |
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | |

15 Regulatory information

- Sara
- Section 355 (extremely hazardous substances): -
- Section 313 (Specific toxic chemical listings): -
- Proposition 65
- Chemicals known to cause cancer: -
- Chemicals known to cause reproductive toxicity for females: -
- Chemicals known to cause reproductive toxicity for males: -
- Chemicals known to cause developmental toxicity: -
- Product related hazard informations:
- Hazard symbols: -
- National regulations:
- Additional classification according to Decree on Hazardous Materials: -
- Information about limitation of use: -

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Department issuing MSDS: Noris-Color GmbH; laboratory/product safety; info@noris-color.de

(Contd. on page 6)

USA

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 09/23/2011

Reviewed on 09/23/2011

Trade name: *SF-stamp ink Col11 (all color shades)*

(Contd. of page 5)

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

USA