

1 Identification

- **Product identifier**
- **Trade name:** 196 RM, 199 RM, 433 RM, 130 RM, 131 RM
- **Application of the substance / the mixture** Cleaning agent for stamp pad ink
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Noris-Color GmbH
Ziegelhüttener Str. 1
D-95326 KULMBACH
GERMANY
Phone: +499221/92000
Fax: +499221/920090
info@noris-color.de
- **Information department:** Laboratory/Product safety
- **Emergency telephone number:** See Manufacturer/Supplier

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.



GHS08 Health hazard

Carc. 1A H350 May cause cancer.



GHS07

STOT SE 3 H336 May cause drowsiness or dizziness.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS02



GHS07



GHS08

- **Signal word** Danger

- **Hazard-determining components of labeling:**

Ethyloxidhydrat

1-methoxy-2-propanol

- **Hazard statements**

Highly flammable liquid and vapor.

May cause cancer.

May cause drowsiness or dizziness.

- **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Use explosion-proof electrical/ventilating/lighting/equipment.

Avoid breathing dust/fume/gas/mist/vapors/spray

Wear protective gloves / eye protection / face protection.

Trade name: 196 RM, 199 RM, 433 RM, 130 RM, 131 RM

(Contd. of page 1)

*Ground/bond container and receiving equipment.**Use only non-sparking tools.**Take precautionary measures against static discharge.**Use only outdoors or in a well-ventilated area.**Obtain special instructions before use.**Do not handle until all safety precautions have been read and understood.**IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.**IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.**Call a poison center/doctor if you feel unwell.**IF exposed or concerned: Get medical advice/attention.**In case of fire: Use for extinction: CO2, powder or water spray.**Store locked up.**Store in a well-ventilated place. Keep container tightly closed.**Store in a well-ventilated place. Keep cool.**Dispose of contents/container in accordance with local/regional/national/international regulations.*• **Classification system:**• **NFPA ratings (scale 0 - 4)**

Health = 0

Fire = 3

Reactivity = 0

• **Other hazards**• **Results of PBT and vPvB assessment**• **PBT:** Not applicable.• **vPvB:** Not applicable.

3 Composition/information on ingredients

• **Chemical characterization: Mixtures**• **Description:** Mixture of the substances listed below with nonhazardous additions.• **Dangerous components:**

107-98-2	1-methoxy-2-propanol	25-50%
64-17-5	Ethyloxidhydrat	25-50%

4 First-aid measures

• **Description of first aid measures**• **After inhalation:** Supply fresh air; consult doctor in case of complaints.• **After skin contact:** Generally the product does not irritate the skin.• **After eye contact:** Rinse opened eye for several minutes under running water.• **After swallowing:**

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

• **Information for doctor:**• **Most important symptoms and effects, both acute and delayed** No further relevant information available.• **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Fire-fighting measures

• **Extinguishing media**• **Suitable extinguishing agents:**

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

• **Special hazards arising from the substance or mixture** No further relevant information available.

(Contd. on page 3)

Trade name: 196 RM, 199 RM, 433 RM, 130 RM, 131 RM

(Contd. of page 2)

- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
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).
Ensure adequate ventilation.
- **Reference to other sections**
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 precautions are necessary if used correctly.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
- **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.

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

107-98-2 1-methoxy-2-propanol

REL Short-term value: 540 mg/m³, 150 ppm
Long-term value: 360 mg/m³, 100 ppm

TLV Short-term value: 369 mg/m³, 100 ppm
Long-term value: 184 mg/m³, 50 ppm

64-17-5 Ethyloxidhydrat

PEL Long-term value: 1900 mg/m³, 1000 ppm

REL Long-term value: 1900 mg/m³, 1000 ppm

TLV Short-term value: 1880 mg/m³, 1000 ppm

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

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.

(Contd. on page 4)

Trade name: 196 RM, 199 RM, 433 RM, 130 RM, 131 RM

(Contd. of page 3)

- **Breathing equipment:** Not required.

- **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of 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 a 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 goggles

Goggles recommended during refilling.

9 Physical and chemical properties

- **Information on basic 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: 78 °C (172 °F)

- **Flash point:** 13 °C (55 °F)

- **Flammability (solid, gaseous):** Not applicable.

- **Ignition temperature:** 270 °C (518 °F)

- **Decomposition temperature:** Not determined.

- **Auto igniting:** Product is not selfigniting.

- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

- **Explosion limits:**

Lower: 2.3 Vol %

Upper: 20.0 Vol %

- **Vapor pressure at 20 °C (68 °F):** 59 hPa (44 mm Hg)

- **Density at 20 °C (68 °F):** 0.876 g/cm³ (7.31 lbs/gal)

- **Relative density** Not determined.

- **Vapour density** Not determined.

- **Evaporation rate** Not determined.

- **Solubility in / Miscibility with**

Water: Fully miscible.

(Contd. on page 5)

Trade name: 196 RM, 199 RM, 433 RM, 130 RM, 131 RM

(Contd. of page 4)

- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic:** Not determined.
 - Kinematic:** Not determined.
- **Solvent content:**
 - Organic solvents:** 100.0 %
 - VOC content:** 100.0 %
876.0 g/l / 7.31 lb/gl
- **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **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:**
- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

64-17-5 Ethyloxidhydrat

I

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **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.
- **Mobility in soil** 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 to reach ground water, water course or sewage system.

(Contd. on page 6)

Trade name: 196 RM, 199 RM, 433 RM, 130 RM, 131 RM



(Contd. of page 5)

- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Waste disposal key:** Recommendation: 080111 (waste containing organic solvents)
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- | | |
|---|-----------------------------|
| • UN-Number | UN1263 |
| • DOT, ADR, IMDG, IATA | |
| • UN proper shipping name | Paint related material |
| • DOT | 1263 Paint related material |
| • ADR | PAINT RELATED MATERIAL |
| • IMDG, IATA | |
| • Transport hazard class(es) | |
| • DOT | |
|  | |
| • Class | 3 Flammable liquids |
| • Label | 3 |
| • ADR, IMDG, IATA | |
|  | |
| • Class | 3 Flammable liquids |
| • Label | 3 |
| • Packing group | II |
| • DOT, ADR, IMDG, IATA | |
| • Environmental hazards: | No |
| • Marine pollutant: | No |
| • Special precautions for user | Warning: Flammable liquids |
| • Danger code (Kemler): | 33 |
| • EMS Number: | F-E, S-E |
| • Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |

(Contd. on page 7)

Trade name: 196 Trade name: 196 RM, 199 RM, 433 RM, 130 RM, 131 RM

(Contd. of page 6)

· UN "Model Regulation":

UN1263, Paint related material, 3, II

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

· TSCA (Toxic Substances Control Act):

All ingredients are listed.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

64-17-5 Ethyloxidhydrat

· Carcinogenic categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH)

64-17-5 Ethyloxidhydrat

A3

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms



GHS02



GHS07



GHS08

· Signal word Danger

· Hazard-determining components of labeling:

Ethyloxidhydrat

1-methoxy-2-propanol

· Hazard statements

Highly flammable liquid and vapor.

May cause cancer.

May cause drowsiness or dizziness.

· Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Use explosion-proof electrical/ventilating/lighting/equipment.

Avoid breathing dust/fume/gas/mist/vapors/spray

(Contd. on page 8)

Trade name: 196 RM, 199 RM, 433 RM, 130 RM, 131 RM

(Contd. of page 7)

Wear protective gloves / eye protection / face protection.

Ground/bond container and receiving equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Use only outdoors or in a well-ventilated area.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Call a poison center/doctor if you feel unwell.

IF exposed or concerned: Get medical advice/attention.

In case of fire: Use for extinction: CO₂, powder or water spray.

Store locked up.

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Dispose of contents/container in accordance with local/regional/national/international regulations.

• Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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 SDS: Laboratory/Product safety

• Contact: Hr. Wendland

• Date of preparation / last revision 10/29/2015 / -

• 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)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

VOC: Volatile Organic Compounds (USA, EU)

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Carc. 1A: Carcinogenicity, Hazard Category 1A

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

NORIS-COLOR GmbH · Ziegelhüttener Str. 1 · D-95326 Kulmbach

Indiana Stamp Company
1319 Production Road
US – Fort Wayne, IN 46808

Sales / Production I
Ziegelhüttener Str. 1 · D-95326 Kulmbach

Lab / Production II
E.-C.-Baumann-Str. 34 · D-95326 Kulmbach

Tel. +49 (0) 92 21/92 00-0 · Fax +49 (0) 92 21/92 00-90
E-mail: info@noris-color.de
Internet: www.noris-color.de

17.07.2013

CONFIRMATION

We herewith confirm that our cleaning solution #196RM complies to the following standards and specifications:

- REACH
- SVHC (Candidate List 06/2013)
- TSCA (Toxic Substances Control Act 1976)
- Halogen free according to IEC 61249-2-21
- No chromium(VI) content
- GADSL (Global Automotive Declarable Substance List)
- California Proposition 65
- Washington State List of Chemicals of High Concern
- CEA list (Consumer Electronics Association)
- ASTM4236
- JGPSSI- Substance List
- 2006/122/EC Standard (PFOS free)
- DFARS Clause 252.225-7014 (Alt 1 Clause)
- This Ink is suitable to mark food packaging according to USDA, FDA-Code of Federal Regulations 21(Citations for Color Additives, Food Ingredients and Packaging) if the used packaging material fulfills the criteria of a functional barrier according to Section 175.105(a)(2).

Best regards
NORIS-COLOR GmbH


Oliver Zeitler
Managing Director

NORIS-COLOR GmbH
Ziegelhüttener Straße 1
D-95326 KULMBACH
☎ +49 (0) 92 21/92 00-0 • 0-90
info@noris-color.de

NORIS®

DYNAMIC
INK
INVENTOR

SPECIALTY INKS

NORIS-COLOR GmbH · Ziegelhüttener Str. 1 · D-95326 Kulmbach

Indiana Stamp Company
1319 Production Road
US – Fort Wayne, IN 46808

Sales / Production I
Ziegelhüttener Str. 1 · D-95326 Kulmbach

Lab / Production II
E.-C.-Baumann-Str. 34 · D-95326 Kulmbach

Tel. +49 (0) 92 21/92 00-0 · Fax +49 (0) 92 21/92 00-90

E-mail: info@noris-color.de
Internet: www.noris-color.de

13.01.2014

CONFIRMATION

We herewith confirm that our solvent #199 RM complies to the following standards and specifications:

- REACH
- SVHC (Candidate List 12/2013)
- TSCA (Toxic Substances Control Act 1976)
- Halogen free according to IEC 61249-2-21
- No chromium(VI) content
- GADSL (Global Automotive Declarable Substance List)
- California Proposition 65
- Washington State List of Chemicals of High Concern
- CEA list (Consumer Electronics Association)
- ASTM4236
- JGPSSI- Substance List
- 2006/122/EC Standard (PFOS free)
- DFARS Clause 252.225-7014 (Alt 1 Clause)
- This Ink is suitable to mark food packaging according to USDA, FDA-Code of Federal Regulations 21(Citations for Color Additives, Food Ingredients and Packaging) if the used packaging material fulfills the criteria of a functional barrier according to Section 175.105(a)(2).

Best regards
NORIS-COLOR GmbH



Oliver Zeitler
Managing Director

NORIS-COLOR GmbH

Ziegelhüttener Straße 1
D - 95326 KULMBACH
Telefon 0 92 21 / 92 00 - 0
Telefax 0 92 21 / 92 00 90
E-MAIL: INFO@NORIS-COLOR.DE
[HTTP://WWW.NORIS-COLOR.DE](http://WWW.NORIS-COLOR.DE)

HRB Bayreuth 1281
Geschäftsführer:
L.Zeitler / O.Zeitler

Hypo Vereinsbank
BLZ 771 200 73
Kto. 1 170 123 294

IBAN: DE 77 77120073 1170123294
BIC: HYVEDEMM 289

Kulmbacher Bank eG
BLZ 771 900 00
Kto. 2 561 557

IBAN: DE50 7719 0000 0002 5615 57
BIC: GENODEF1KU1

UST: DE 811430262

NORIS-COLOR GmbH · Ziegelhüttener Str. 1 · D-95326 Kulmbach

Indiana Stamp Company
1319 Production Road
US – Fort Wayne, IN 46808

Sales / Production I
Ziegelhüttener Str. 1 · D-95326 Kulmbach

Lab / Production II
E.-C.-Baumann-Str. 34 · D-95326 Kulmbach

Tel. +49 (0) 92 21/92 00-0 · Fax +49 (0) 92 21/92 00-90

E-mail: info@noris-color.de
Internet: www.noris-color.de

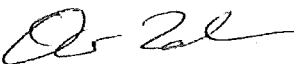
13.01.2014

CONFIRMATION

We herewith confirm that our solvent #433 RM complies to the following standards and specifications:

- REACH
- SVHC (Candidate List 12/2013)
- TSCA (Toxic Substances Control Act 1976)
- Halogen free according to IEC 61249-2-21
- No chromium(VI) content
- GADSL (Global Automotive Declarable Substance List)
- California Proposition 65
- Washington State List of Chemicals of High Concern
- CEA list (Consumer Electronics Association)
- ASTM4236
- JGPSSI- Substance List
- 2006/122/EC Standard (PFOS free)
- DFARS Clause 252.225-7014 (Alt 1 Clause)
- This Ink is suitable to mark food packaging according to USDA, FDA-Code of Federal Regulations 21(Citations for Color Additives, Food Ingredients and Packaging) if the used packaging material fulfills the criteria of a functional barrier according to Section 175.105(a)(2).

Best regards
NORIS-COLOR GmbH


Oliver Zeitler
Managing Director

NORIS-COLOR GmbH
Ziegelhüttener Straße 1
D - 95326 KULMBACH
Telefon 0 92 21/92 00-0
Telefax 0 92 21/92 00 90
E-MAIL: INFO@NORIS-COLOR.DE
[HTTP://WWW.NORIS-COLOR.DE](http://WWW.NORIS-COLOR.DE)

NORIS-COLOR GmbH · Ziegelhüttener Str. 1 · D-95326 Kulmbach

Indiana Stamp Company
1319 Production Road
US – Fort Wayne, IN 46808

Sales / Production I
Ziegelhüttener Str. 1 · D-95326 Kulmbach

Lab / Production II
E.-C.-Baumann-Str. 34 · D-95326 Kulmbach

Tel. +49 (0) 92 21/92 00-0 · Fax +49 (0) 92 21/92 00-90

E-mail: info@noris-color.de

Internet: www.noris-color.de

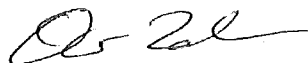
13.01.2014

CONFIRMATION

We herewith confirm that our solvent #131 RM complies to the following standards and specifications:

- REACH
- SVHC (Candidate List 12/2013)
- TSCA (Toxic Substances Control Act 1976)
- Halogen free according to IEC 61249-2-21
- No chromium(VI) content
- GADSL (Global Automotive Declarable Substance List)
- California Proposition 65
- Washington State List of Chemicals of High Concern
- CEA list (Consumer Electronics Association)
- ASTM4236
- JGPSSI- Substance List
- 2006/122/EC Standard (PFOS free)
- DFARS Clause 252.225-7014 (Alt 1 Clause)
- This Ink is suitable to mark food packaging according to USDA, FDA-Code of Federal Regulations 21(Citations for Color Additives, Food Ingredients and Packaging) if the used packaging material fulfills the criteria of a functional barrier according to Section 175.105(a)(2).

Best regards
NORIS-COLOR GmbH



Oliver Zeitler
Managing Director

NORIS-COLOR GmbH
Ziegelhüttener Straße 1
D-95326 KULMBACH
Telefon 0 92 21 / 92 00 - 0
Telefax 0 92 21 / 92 00 90
E-MAIL: INFO@NORIS-COLOR.DE
[HTTP://WWW.NORIS-COLOR.DE](http://WWW.NORIS-COLOR.DE)