

# Safety Data Sheet

acc. to OSHA HCS

Printing date 08/15/2013

Reviewed on 08/15/2013

1279

## 1 Identification

- **Product identifier**
- **Trade name:** #191 RM Cleaning agent
- **EC number:**
- 
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the preparation** solvent and cleaning agent for stamp ink
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Noris-Color GmbH  
Ziegelhuettener Str.1  
Germany-95326 Kulmbach  
Phone: +49(0) 9221 - 92 00 0  
Fax : +49(0) 9221 - 92 00 90  
E-mail: 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**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.
- **Information concerning particular hazards for human and environment:** Not applicable.
- 
- **Label elements**
- **Labelling according to EU guidelines:**  
Observe the general safety regulations when handling chemicals.  
The substance is not subject to classification according to the sources of literature known to us.  
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 = 2  
Reactivity = 0
- **HMIS-ratings (scale 0 - 4)**  
Health = 0  
Fire = 2  
Reactivity = 0
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Personal Protection letter:** B Safety Glasses & Gloves

USA

(Contd. on page 2)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 08/15/2013

Reviewed on 08/15/2013

Trade name: #191 RM Cleaning agent

(Contd. of page 1)

## 3 Composition/information on ingredients

- **Chemical characterization: Substances**
- **CAS No. Description**  
Dipropylenglykolmonomethylether, Isomerengem.
- **Identification number(s)** 34590-94-8
- **EC number:** 252-104-2

- **Dangerous components:**

parfum (only for industrial use)

&lt; 2.5%

## 4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
If symptoms persist consult 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:**  
CO<sub>2</sub>, 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.
- **Advice for firefighters**
- **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

- **Precautions for safe handling**  
No special measures required.

(Contd. on page 3)

USA

# Safety Data Sheet

acc. to OSHA HCS

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Reviewed on 08/15/2013

Trade name: #191 RM Cleaning agent

(Contd. of page 2)

- Open and handle receptacle with care.
- Information about protection against explosions and fires: No special measures required.
- Conditions for safe storage, including any incompatibilities
- 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.
- Control parameters

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

### Dipropylenglykolmonomethylether, Isomerengem.

|     |   |
|-----|---|
| PEL | Long-term value: 600 mg/m <sup>3</sup> , 100 ppm<br>Skin  |
| REL | Short-term value: 900 mg/m <sup>3</sup> , 150 ppm<br>Long-term value: 600 mg/m <sup>3</sup> , 100 ppm<br>Skin |
| TLV | Short-term value: 909 mg/m <sup>3</sup> , 150 ppm<br>Long-term value: 606 mg/m <sup>3</sup> , 100 ppm<br>Skin |

- Additional information: The lists that were valid during the creation were used as basis.
- Exposure controls
- 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
    - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
    - 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.
  - 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.
  - Not suitable are gloves made of the following materials: Natural rubber, NR
  - Eye protection: Tightly sealed goggles recommended during refilling/handling larger quantities.

## 9 Physical and chemical properties

- Information on basic physical and chemical properties
- General Information
- Appearance:
 

|                  |                 |
|------------------|-----------------|
| Form:            | Fluid           |
| Color:           | Colorless       |
| Odor:            | Characteristic  |
| Odour threshold: | Not determined. |

(Contd. on page 4)

USA

# Safety Data Sheet

acc. to OSHA HCS

Printing date 08/15/2013

Reviewed on 08/15/2013

Trade name: #191 RM Cleaning agent

(Contd. of page 3)

|  |   |
|--|---|
| · pH-value:                                | Not determined.                               |
| · Change in condition                      |   |
| Melting point/Melting range:               | -83 °C (-117 °F)                              |
| Boiling point/Boiling range:               | 184 °C (363 °F)                               |
| · Flash point:                             | 79 °C (174 °F)                                |
| · Flammability (solid, gaseous):           | Not applicable.                               |
| · Ignition temperature:                    | 270 °C (518 °F)                               |
| · Decomposition temperature:               | Not determined.                               |
| · Auto igniting:                           | Not determined.                               |
| · Danger of explosion:                     | Product does not present an explosion hazard. |
| · Explosion limits:                        |   |
| Lower:                                     | 1.1 Vol %                                     |
| Upper:                                     | 14 Vol %                                      |
| · Vapor pressure at 25 °C (77 °F):         | 0.4 hPa                                       |
| · Density at 20 °C (68 °F):                | 0.951 g/cm <sup>3</sup> (7.936 lbs/gal)       |
| · Relative density                         | Not determined.                               |
| · Vapour density                           | Not determined.                               |
| · Evaporation rate                         | Not determined.                               |
| · Solubility in / Miscibility with         |   |
| Water:                                     | Fully miscible.                               |
| · Partition coefficient (n-octanol/water): | Not determined.                               |
| · Viscosity:                               |   |
| Dynamic:                                   | Not determined.                               |
| Kinematic:                                 | Not determined.                               |
| Organic solvents:                          | 99.0 %  |
| Water:                                     | 0.0 %   |
| VOC content:                               | 99.0 %  |
| Solids content:                            | 1.0 %   |
| · 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:

|  |      |                    |
|--|------|--------------------|
| · LD/LC50 values that are relevant for classification: |      |                    |
| Dipropylenglykolmonomethylether, Isomerengem.          |      |                    |
| Oral   | LD50 | 5135 mg/kg (Ratte) |

(Contd. on page 5)

USA

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(Contd. of page 4)

Dermal LD50 9500 mg/kg (Ratte)

- **Primary irritant effect:**

- **on the skin:** No irritant effect.

- **on the eye:** No irritating effect.

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

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.

The substance is not subject to classification.

- **Carcinogenic categories**

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

Substance is not listed.

- **NTP (National Toxicology Program)**

Substance is not listed.

## 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability:** No further relevant information available.

- **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 of it to reach ground water, water course or sewage system.

- **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:** Smaller quantities can be disposed of with household waste.

- **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**

- **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

(Contd. on page 6)

— USA —

# **Safety Data Sheet** acc. to OSHA HCS

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Trade name: #191 RM Cleaning agent

(Contd. of page 5)

- |  |                 |
|--|-----------------|
| · <b>Packing group</b>   |                 |
| · <b>DOT, ADR, IMDG, IATA</b>  | Void            |
| · <b>Environmental hazards:</b>  |                 |
| · <b>Marine pollutant:</b>   | No              |
| · <b>Special precautions for user</b>  | Not applicable. |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable. |

## **15 Regulatory information**

- **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.*

- **Contact:** Noris-Color GmbH; laboratory/product safety; [info@noris-color.de](mailto:info@noris-color.de)

USA