

# Material Safety Data Sheet

according to Directive 1907/2006/EC (REACH) and 453/2010/EU

Printing date: 06.05.2015

Date of issue: 24.11.2014

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## SECTION 1: Identification of the Substance/Mixture and of the Company

### 1.1 Product identifier

REF 91107  
Product name Litmus paper neutral (5m reel)  
1 x 5 m reel indicator paper

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified uses**  
Product for analytical use.  
Exposure Scenario Classification according REACH, RIP 3.2 Codes: SU 0-2, PC 21, PROC 15, AC 0  
The exposure scenario is integrated into sections 1-16.  
**Uses advised against**  
not described

### 1.3 Details of the supplier of the safety data sheet

**Manufactured by:**  
MACHEREY-NAGEL GmbH & Co. KG  
Neumann-Neander-Str. 6-8, 52355 Dueren, GERMANY  
Tel.: +49 2421 969 0 E-mail: msds@mn-net.com

### 1.4 Emergency telephone number

Information not necessary.

## SECTION 2: Hazard Identification

### 2.1 Classification of the substance(s) or mixture(s)

5 m reel indicator paper

Directive 1999/45/EC

Symbols - do not need labelling as hazardous

CLP Directive 1272/2008/EC

GHS pictograms do not need labelling as hazardous  
Signal word -

No hazard class

### 2.2 Label elements

5 m reel indicator paper

Directive 1999/45/EC

Symbols:

-  
-

S 22

Do not breathe dust.

CLP Directive 1272/2008/EC

GHS pictograms:  
do not need labelling as hazardous  
Signal word: -

### 2.3 Other hazards

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## Possible Hazards from physicochemical Properties

According to our current status of knowledge and experience we state, that this product does not contain any substances, which - in accordance with EC regulations 1272/2008/EC, 1907/2006/EC, 1999/45/EC and German Regulations for Hazardous goods - have to be declared as dangerous goods, either because of their applied concentration or because of their total amount in anyone kit.

An individual package has considerably less hazardous potential.

## Information pertaining to particular Risks to Human and possible Symptoms

## Information pertaining to particular Risks to the Environment

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## Other Hazards

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## SECTION 3: Composition/Information on Ingredients

### 3.1 Substances or 3.2 Mixtures

#### 5 m reel indicator paper

Chemical: *cellulose*  
Concentration: 90 - 100 %  
Formula:  $(C_6H_{10}O_5)_n$   
REACH Reg. No.: exempt, Annex IV  
EC No.: 232-674-9  
RTECS: FJ5691460  
TSCA Inventory: listed  
KE No.: KE-05339  
acc. 1999/45/EC: -

CAS No.: 9004-34-6

acc. CLP (GHS): not necessary

Chemical: *indicator dye(s)*  
Concentration: 0,1 - 1 %  
acc. 1999/45/EC: -

CAS No.: -

acc. CLP (GHS): not necessary

### 3.3 Remarks

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## SECTION 4: First Aid Measures

### 4.1 Description of first aid measures

Place insured person out of danger zone to fresh air immediately.

#### 4.1.1 After SKIN Contact

Not necessary. Remove dust with wetted tissue.

#### 4.1.2 After EYE Contact

Not necessary. Rub dust with teardrops from eyes

#### 4.1.3 After INHALATION of Vapours

Not necessary. After inhalation of dust fresh air should be inhaled.

#### 4.1.4 After ORAL Intake

Not necessary.

### 4.2 Most important symptoms and effects, both acute and delayed

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### 4.3 Indication of any immediate medical attention and special treatment needed

No additionally recommendations.

## SECTION 5: Firefighting Measures

### 5.1 Extinguishing media

Fire extinguishers appropriate to the fire classification, and, if applicable, a fire blanket must be available in a prominent location in the work area. All extinguishers like FOAM, WATER SPRAY, DRY POWDER, CARBON DIOXIDE can be used.

### 5.2 Special hazards arising from the substance or mixture

None.

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## 5.3 Advice for firefighters

No, for listed product. Product package burns like paper or plastic.

## 5.4 Additional Information

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## SECTION 6: Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Not necessary.

### 6.2 Environmental precautions

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### 6.3 Methods and material for containment and cleaning up

Clean working area with water. Flush used water into drains.

### 6.4 Reference to other sections

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## SECTION 7: Handling and Storage

### 7.1 Precautions for safe handling

Handling in accordance with the test instruction, that comes with the product.

### 7.2 Conditions for safe storage, including any incompatibilities

The original product package of MACHEREY-NAGEL allows a safe storage.  
Storage class (German chemical industry): see chapter 12.1

#### 7.2.1 Requirements for Stock Rooms and Containers

Keep original product packages tightly closed during handling and storage.

### 7.3 Specific end use(s)

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## SECTION 8: Exposure Controls/Personal Protection

### 8.1 Control parameters

#### 5 m reel indicator paper

Chemical: *cellulose*

CAS No.: 9004-34-6

TRGS 900 (DE): Staub 1.25 A / 4 E mg/m<sup>3</sup>  
E/e respirable

SUVA(CH) MAK value: 3 a ppm  
Australia NICNAS: not listed  
Japan CSCL/PRTR: not listed  
Japan PDSCL: not listed  
South Korea TCCA: not listed  
Korea Exist.Chem.Inventory: KE-05339  
TSCA Inventory: listed  
NIOSH: not listed  
OSHA: not listed

Canada CEPA 1999: DSL yes

Japan ISHL: not listed

California Proposition 65 List: not listed

Chemical: *indicator dye(s)*

CAS No.: -

### 8.2 Exposure controls

Not necessary.

#### 8.2.1 Respiratory Protection

Not necessary.

#### 8.2.2 Hand Protection

Not necessary.

#### 8.2.3 Eye Protection

Not necessary.

#### 8.2.4 Skin Protection

Not necessary.

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**8.2.5 Personal Hygiene**  
Information not necessary.

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

**5 m reel indicator paper**

Appearance : solid

Color : colored

Odor : odorless

**9.2 Other information**  
Relevant Properties of Substance Group  
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9.2.1  
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## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

no data available

### 10.2 Chemical stability

no data available

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

Not necessary.

### 10.5 Incompatible materials

Not necessary. Avoid contact with concentrated acids and oxidizing agents.

### 10.6 Hazardous decomposition products

In the original package all parts/all reagents are safety and separated stored. Decompositions are not observed during the expiration period under recommended conditions.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Following information is valid for pure substances.

#### 5 m reel indicator paper

Chemical: *cellulose*

LD50<sub>orl rat</sub> : >5000 mg/kg

LC50<sub>ihl rat</sub> : >5800<sub>4h</sub> mg/m<sup>3</sup>

LD50<sub>drm rbt</sub> : >2000 mg/kg

CAS No.: 9004-34-6

Chemical: *indicator dye(s)*

CAS No.: -

## SECTION 12: Ecological information

### 12.1 Toxicity

Following information is valid for pure substances.

#### 5 m reel indicator paper

Chemical: *cellulose*

WGK (DE): nwg

Storage class (VCI): 11

CAS No.: 9004-34-6

Chemical: *indicator dye(s)*

Storage class (VCI): 12-13

CAS No.: -

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- 12.2 Persistence and degradability**  
no data available
- 12.3 Bioaccumulative potential**  
no data available
- 12.4 Mobility in soil**  
no data available
- 12.5 Results of PBT and vPvB assessment**  
no data available
- 12.6 Other adverse effects**  
no data available

## SECTION 13: Disposal Considerations

Not necessary.

- 13.1 Waste treatment methods**  
GENERAL: Empty solids into municipal waste, empty liquids diluted into drains.

## SECTION 14: Transport Information

Not necessary

- 14.5 Environmental hazards**  
low, small amounts
- 14.6 Special precautions for user**  
not necessary
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**  
not applicable

## SECTION 15: Regulatory Information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- 15.2 Chemical safety assessment**  
not necessary for these small amounts

## SECTION 16: Other Information

- 16.1 List of R and H phrases**
  - 16.1.1 List of relevant R phrases**
  - 16.1.2 List of relevant H phrases**
- 16.2 Training Advice**  
Regular safety training.
- 16.3 Recommended Restriction on Use**  
Only for professional user.  
An individual package of this product or test kit has a moderate hazardous potential.
- 16.4 Further Information**

MACHEREY-NAGEL GmbH & Co. KG provides the information contained herein in good faith being up-to-date of own realizations at revision time. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgement in determining its appropriateness for a particular purpose.

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## 16.5 Sources of Key Data

Regulation 453/2010/EU REACH - REQUIREMENTS FOR THE COMPILATION OF SAFETY DATA SHEETS  
Regulation 487/2013/EU, 4<sup>th</sup> adaptation of CLP regulation to technical and scientific progress  
TRGS 900, German engineering rules governing limits in air at work, updated February 2014  
SUVA .CH, Limits in air at work 2009, revised on 01.2009  
KÜHN, BIRETT Merkbblätter Gefährliche Arbeitsstoffe (Data Sheets of Hazardous Substances)

### Revisions/Updates

*Reason for Revision:* 2014-02 Corrected structure of sections acc. regulation 453/2010/EU, if necessary  
2014-04 Adaptation of regulation 487/2013/EU

You find our current versions of MSDS in Internet:

<http://www.mn-net.com/MSDS>