SECTION 1: Identification of the substance/mixture and of the company

1.1 Product identifier

<table>
<thead>
<tr>
<th>REF: 90760</th>
<th>Oil test paper</th>
</tr>
</thead>
</table>

Product name: Oil test paper

REACH Registration number(s): see SECTION 3.1/3.2 or

A registration number for the substance(s) does not exist because the annual tonnage does not require registration or
the substance or its use is excluded from registration.

1 x 100 strips test paper (33 g)

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

Valencienner Str. 11, 52355 Düren, Germany

Phone: +49 2421 969 0

E-mail: sds@mn-net.com (msds@mn-net.com)

1.4 Emergency telephone number

Information not necessary.

You find our current versions of SDS in Internet: <http://www.mn-net.com/SDS>

SECTION 2: Hazard identification

2.0 Classification of the complete product according to Regulation (EC) 1272/2008

2.1 Classification of the substance or mixture according to Regulation (EC) 1272/2008

100 strips test paper (33 g)

Do not need labelling as hazardous

Signal word: -

No hazard class

List of H phrases: see section 16.2

2.2 Label elements according regulation (EC) 1272/2008

100 strips test paper (33 g)

Do not need labelling as hazardous

Signal word: -

Label elements of the complete product

2.3 Other hazards

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 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

Possible endocrine disrupting effects
no data available

SECTION 3: Composition / information on ingredients

3.1 Substances or 3.2 Mixtures

100 strips test paper (33 g)

Substance name: cellulose paper
CAS No.: 9004-34-6

Substance rating: No criteria for classification or naming of chemical not required.
Formula: \((C_6H_{10}O_5)_n\)
REACH Reg. No.: exempt, Annex IV
EC No.: 232-674-9
Concentration: 90 - <100 %
acc. CLP (GHS): The criteria for classification are not fulfilled.

Substance name: chemicals/mixture until 1%
CAS No.: -
Concentration: 0.1 - <1 %
acc. CLP (GHS): The criteria for classification are not fulfilled.

3.3 Remarks
When not listed, mixtures are added with water [CAS No. 7732-18-5] to 100%. List of H and P phrases: see section 16.2.

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
Remove dust with wetted tissue.

4.1.2 After EYE Contact
Rub dust with teardrops from eyes

4.1.3 After INHALATION of vapours
After inhalation of dust fresh air should be inhaled. ---

4.1.4 After ORAL Intake

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed
No additionally recommendations. ---

SECTION 5: Firefighting measures

5.1 Extinguishing media

5.1.1 Suitable 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. 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.
5.1.2 Unsuitable extinguishing media
no data available

5.2 Special hazards arising from the substance or mixture
None.

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

5.4 Additional information

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.2 Environmental precautions
not necessary

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

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
Safe storage is guaranteed in the original packaging. Storage class (German chemical industry): see chapter 12.1
Storage class (VCI): 11
Water hazard class (DE): 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)
Product for analytical use.

SECTION 8: Exposure controls /personal protection

8.1 Control parameters

<table>
<thead>
<tr>
<th>100 strips test paper (33 g)</th>
<th>Chemical: cellulose paper</th>
<th>CAS No.: 9004-34-6</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRGS 900 (DE):</td>
<td>Staub 1.25 A / 4 E mg/m³</td>
<td></td>
</tr>
<tr>
<td>SUVA(CH) MAK value:</td>
<td>3 a ppm</td>
<td></td>
</tr>
<tr>
<td>NIOSH:</td>
<td>TWA 10 (total) / 5 (resp) mg/m³</td>
<td></td>
</tr>
<tr>
<td>OSHA:</td>
<td>TWA 15 (total) / 5 (resp) mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

Chemical: chemicals/mixture until 1%

8.2 Exposure controls
Not necessary.

8.2.1 Respiratory protection
Not necessary.

8.2.2 Skin protection / Hand protection
Safety Data Sheet
according to Regulations REACh 1907/2006/EC

REF: 90760
Printing date: 04.04.2023
Oil test paper
Date of issue: 24.10.2022
Version: 2.2.2.4

8.2.3 Eye / Face Protection
Not necessary.

8.2.4 Skin protection
Not necessary.

8.2.5 Personal hygiene
Information not necessary.

8.2.6 Thermal hazards
no data available

8.3 Limitation and monitoring of environmental exposure
Information not necessary.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
100 strips test paper (33 g)

a) State of aggregation: solid
b) Colour: colored
c) Odor: odorless
d) Melting point: no data available
e) Boiling point: no data available
f) Flammability: no data available
g) Explosive limits (lower / upper): no data available
h) Flash point: no data available
i) Flashing temperature: no data available
j) Decomposition temperature: no data available
k) pH value: no data available
l) Kinematic viscosity: no data available
m) Solubility in water: no data available
n) Dispersion coefficient (o/w) : no data available
o) Vapour pressure (20°C): no data available
p) Specific gravity: no data available
q) Relative vapour density (air=1) : no data available
r) Particle size: no data available

9.2 Other information
Properties relevant to substance groups
---

SECTION 10: Stability and reactivity

10.1 Reactivity
None

10.2 Chemical stability
no known instability.

10.3 Possibility of hazardous reactions
None.

10.4 Conditions to avoid
Not known.

10.5 Incompatible materials
Not known.

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 the hazard classes according regulation (EC) 1272/2008
Following information is valid for pure substances. Quantitative data on the toxicity of this product are not available.

100 strips test paper (33 g)
Chemical: cellulose paper
TSCA Inventory: listed
CAS No.: 9004-34-6
Exposure Routes: inhalation, skin and/or eye contact
Target Organs: Eyes, skin, respiratory system
Symptoms: irritation eyes, skin, mucous membrane
Australia NICNAS: not listed
Canada CEPA 1999: DSL yes
Japan CSCI/PRTR: not listed, Japan PDSCL: not listed
Japan ISHL: not listed
South Korea TCCA: not listed
Korea Exist.Chem.Inventory: KE-05339
LD50 orl rat: > 5000 mg/kg
LC50 inh rat: > 5,800 mg/L/4H

Chemical: chemicals/mixture until 1%
TSCA Inventory: all listed, <1%
Korea Exist.Chem.Inventory: listed

11.2 Other hazards
Possible endocrine disrupting effects
no data available
Other information
no additional data available

SECTION 12: Ecological information

12.1 Toxicity
Following information is valid for pure substances.

100 strips test paper (33 g)
Chemical: cellulose paper
CAS No.: 9004-34-6
Water hazard class (DE): nwg
Storage class (VCI): 11

Chemical: chemicals/mixture until 1%
CAS No.: -
Water hazard class (DE): 1
Storage class (VCI): 12-13

12.2 Persistence and degradability
not necessary

12.3 Bioaccumulative potential
not necessary

12.4 Mobility in soil
not necessary

12.5 Results of PBT and vPvB assessment
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher

12.6 Endocrine disrupting properties
no data available
12.7 Other adverse effects
no additional 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
14.1 - 14.4 Not necessary

14.5 Environmental hazards
none

14.6 Special precautions for user
not necessary

14.7 Carriage in bulk by sea in accordance with IMO instruments
Not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Dangerous Substances Protection Act (DE: Chemikaliengesetz - ChemG), Aug 2013, Stand: Okt 2020
Ordinance on protection against dangerous substances (E: Gefahrstoffverordnung - GeStV), Nov 2010, Stand: Mrz 2017
MN leaflet/instructions for use, also at www.mn-net.com
If necessary, observe other country-specific regulations.

15.2 Chemical safety assessment

SECTION 16: Other information

16.1 Changes compared to the last version
Between versions 2.2.2.4 and 2.2.2.2 following changes were applied: - 2 substance data corrected

16.2 List of H and P phrases
16.2.1 List of relevant H phrases
16.2.2 List of relevant P phrases

16.3 Recommended restriction on use
None

16.4 Sources of key data
KÜHN, BIRETT, Leaflets on hazardous materials, 2021
Directive 1999/92/EG Minimum requirements to improve the safety and health protection of workers at risk from potentially explosive atmospheres
SULVA .CH, limit values in the air at work 2009, revised on 01/2009
Regulation 790/2009/EU, adaptation of Regulation 1272/2008/EU to technical and scientific progress (1st ATP)
Regulation 453/2010/EU, adaptation of the REACH regulation 1907/2006/EG
Regulation 487/2013/EU, adaptation of regulation 1272/2008/EG to technical and scientific progress (4th ATP)
Regulation 1221/2015/EU, adaptation of regulation 1272/2008/EG to technical and scientific progress (7th ATP)
Regulation 776/2017/EU, adaptation of regulation 1272/2008/EG to technical and scientific progress (10th ATP)

Regulation 669/2018/EU, adaptation of Regulation 1272/2008/EC to technical and scientific progress Text (11th ATP)
Regulation 1480/2019/UE, adaptation of regulation 1272/2008/EG to technical and scientific progress (13th ATP)
Regulation 521/2019/UE, adaptation of regulation 1272/2008/EG to technical and scientific progress (12th ATP)
TRGS 900, German rules of technology on limit values in the air at work, as of 03/2019
Regulation 217/2020/EU, adaptation of Annex VI, Part 3, of Regulation 1272/2008/EC to technical and scientific progress (14th ATP)
Regulation 878/2020/EU, adaptation of Annex II of the REACH regulation 1907/2006/EG
Regulation 1182/2020/EU, adaptation of Annex VI, Part 3, of Regulation 1272/2008/EC to technical and scientific progress (15th ATP)
Regulation 643/2021/EU, adaptation of Annex VI, Part 1, of Regulation 1272/2008/EC to technical and scientific progress (16th ATP)
Regulation 849/2021/EU, adaptation of Annex VI, Part 3, of Regulation 1272/2008/EC to technical and scientific progress (17th ATP)

**revisions/updates**

**Reason for revision:**

- 2014-02 Corrected structure of the sections according to Regulation 453/2010/EU, if necessary
- 2014-04 adjustment according Regulation 487/2013/EU
- 2016-03 adjustment according Regulation 1221/2015/EU

- 2017-11 adjustment according the ECHA registration dossier
- 2022-11 adjustment according Regulation 878/2020/EU

**16.5 Further information**

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**16.6 Legend / Abbreviations**

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>acc:</td>
<td>according</td>
</tr>
<tr>
<td>ADR:</td>
<td>Convention concerning the International Carriage of Dangerous Goods by Road</td>
</tr>
<tr>
<td>Act:</td>
<td>acute</td>
</tr>
<tr>
<td>BAT:</td>
<td>biological workplace tolerance value</td>
</tr>
<tr>
<td>CAO:</td>
<td>Cargo Aircraft Only</td>
</tr>
<tr>
<td>Carc:</td>
<td>carcinogen</td>
</tr>
<tr>
<td>CAS:</td>
<td>Chemical Abstracts Service</td>
</tr>
<tr>
<td>CLP:</td>
<td>Classification, Labelling and Packaging regulation</td>
</tr>
<tr>
<td>CMR:</td>
<td>carcinogen, mutagen, reproduction toxic</td>
</tr>
<tr>
<td>Corr:</td>
<td>corrosive</td>
</tr>
<tr>
<td>COD:</td>
<td>chemical oxygen demand</td>
</tr>
<tr>
<td>CSCL:</td>
<td>Chemical Substance Control Law (Jp)</td>
</tr>
<tr>
<td>Dam:</td>
<td>damage</td>
</tr>
<tr>
<td>DNEL:</td>
<td>Derived No-Effect Level (for workers)</td>
</tr>
<tr>
<td>derm:</td>
<td>dermal</td>
</tr>
<tr>
<td>dog:</td>
<td>dog</td>
</tr>
<tr>
<td>EC10:</td>
<td>Concentration causing a toxic effect in 10% of the test organisms</td>
</tr>
<tr>
<td>EC:</td>
<td>European Community</td>
</tr>
<tr>
<td>EC-Nr:</td>
<td>Substance number of the EC substance inventory</td>
</tr>
<tr>
<td>EmS:</td>
<td>Guide to accident management measures on ships</td>
</tr>
<tr>
<td>EU:</td>
<td>European Union</td>
</tr>
<tr>
<td>fish:</td>
<td>fish (not specified)</td>
</tr>
<tr>
<td>GHS:</td>
<td>Global Harmonized System of Classification and Labeling of Chemicals</td>
</tr>
<tr>
<td>gpg:</td>
<td>guinea pig</td>
</tr>
<tr>
<td>ICAO:</td>
<td>International Civil Aviation Organization</td>
</tr>
<tr>
<td>inh:</td>
<td>inhaled</td>
</tr>
<tr>
<td>IMDG:</td>
<td>International Maritime Dangerous Goods Code</td>
</tr>
<tr>
<td>intrav:</td>
<td>intravenous</td>
</tr>
<tr>
<td>ipt:</td>
<td>intrapertoneal</td>
</tr>
<tr>
<td>ISHL:</td>
<td>Industrial Safety and Health Law (Jp)</td>
</tr>
<tr>
<td>LC50:</td>
<td>letal concentration 50%</td>
</tr>
<tr>
<td>LD50:</td>
<td>letal dosage 50%</td>
</tr>
<tr>
<td>leuciscus idus:</td>
<td>fisch, ide, orfe</td>
</tr>
<tr>
<td>MAK:</td>
<td>maximum workplace concentration</td>
</tr>
<tr>
<td>Met:</td>
<td>Metall</td>
</tr>
<tr>
<td>mus:</td>
<td>mouse</td>
</tr>
<tr>
<td>Muta:</td>
<td>mutagen</td>
</tr>
<tr>
<td>NIOSH:</td>
<td>National Institute for Occupational Safety and Health (US)</td>
</tr>
<tr>
<td>NRD:</td>
<td>Non-rapidly degradable</td>
</tr>
<tr>
<td>onchorhynchus mykiss:</td>
<td>fish, rainbow trout</td>
</tr>
<tr>
<td>orb:</td>
<td>oral</td>
</tr>
<tr>
<td>OSHA:</td>
<td>Occupational Safety and Health Administration</td>
</tr>
<tr>
<td>PAX:</td>
<td>transport on passenger planes allowed</td>
</tr>
<tr>
<td>PBT:</td>
<td>persistent, bioaccumulating, toxic substance</td>
</tr>
<tr>
<td>pH:</td>
<td>pH value</td>
</tr>
<tr>
<td>pimephales promelas:</td>
<td>fish, fathead minnow</td>
</tr>
<tr>
<td>PNEC:</td>
<td>Predicted No Effected Concentration</td>
</tr>
</tbody>
</table>
16.7 Training advice

Regular safety training. Multiple safety training of staffs about danger and protection by using hazards in working area. Additionally training and introduction of staffs for using these products.