

# Safety Data Sheet

according to Regulations REACH 1907/2006/EC

REF: 90754

Printing date: 15.04.2026

Potassium iodide starch p. MN 816 N,reel

Date of issue: 22.09.2025

Page: 1/8

Version: 2.2.4.4

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

### 1.1 Product identifier

REF

90754

Product name

Potassium iodide starch p. MN 816 N,reel

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 5 m reel test 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

Valenciennner 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

**Hazard identification**

**Hazard classes/categories**

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

**5 m reel test paper**

Signal word

Do not need labelling as hazardous

No hazard class

List of H phrases: see section 16.2

### 2.2 Label elements according regulation (EC) 1272/2008

**5 m reel test paper**

Do not need labelling as hazardous

Signal word: -

**Label elements of the complete product**

Signal word: -



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## 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

PBT: not applicable

vPvB: not applicable

### Possible endocrine disrupting effects

no data available

## SECTION 3: Composition / information on ingredients

### 3.1 Substances or 3.2 Mixtures

#### 5 m reel test paper

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.: -

Substance rating: No criteria for classification or naming of chemical not required.  
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**  
no data available

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

There are no known delayed symptoms or effects for this product.

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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

#### 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

no data available

## SECTION 6: Accidental release measures

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

### 6.2 Environmental precautions

PBT: not applicable

vPvB: not applicable

### 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

no data available

## 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 from MACHEREY-NAGEL. 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

#### 5 m reel test paper

Chemical: cellulose paper

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

E/e respirable

SUVA(CH) MAK value: 3 a ppm

NIOSH: TWA 10 (total) / 5 (resp) mg/m<sup>3</sup>

[TWA] Time-weighted average to a reference period of 8 hours, [STEL] Short-term exposure limit related to a 15-minute period

CAS No.: 9004-34-6



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OSHA: TWA 15 (total) / 5 (resp) mg/m<sup>3</sup>

Chemical: chemicals/mixture until 1%

CAS No.: -

## 8.2 Exposure controls

Not necessary.

### 8.2.1 Respiratory protection

Not necessary.

### 8.2.2 Skin protection / Hand protection

Not necessary.

### 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

#### 5 m reel test paper

|                                               |                   |
|-----------------------------------------------|-------------------|
| 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 (K <sub>ow</sub> ): | 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

### 9.2.1 Information on physical hazard classes

no data available

### 9.2.2 Other safety-related parameters

No data is available for the other parameters for the mixtures, since no registration and no chemical safety report is required.

☐

no data available

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## 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.

#### 5 m reel test paper

|                             |                                        |                                            |
|-----------------------------|----------------------------------------|--------------------------------------------|
| Chemical:                   | cellulose paper                        | CAS No.: 9004-34-6                         |
| TSCA Inventory:             | listed                                 | California Proposition 65 List: not listed |
| 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 CSCL/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 ihl rat :              | > 5,800 mg/L/4H                        |                                            |

|                             |                            |            |
|-----------------------------|----------------------------|------------|
| Chemical:                   | chemicals/mixture until 1% | CAS No.: - |
| 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.

#### 5 m reel test paper

|                          |                 |                    |
|--------------------------|-----------------|--------------------|
| Substance name:          | cellulose paper | CAS-Nr.: 9004-34-6 |
| Water hazard class (DE): | nwg             |                    |
| Storage class (VCI):     | 11              |                    |

|                          |                            |            |
|--------------------------|----------------------------|------------|
| Substance name:          | chemicals/mixture until 1% | CAS-Nr.: - |
| Water hazard class (DE): | 1                          |            |
| Storage class (VCI):     | 12-13                      |            |

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## 12.2 Persistence and degradability

## 12.3 Bioaccumulative potential

## 12.4 Mobility in soil

## 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 - GefStoffV), Nov 2010, Stand: Mrz 2017

MN leaflet/instructions for use, also at [www.mn-net.com](http://www.mn-net.com)

If necessary, observe other country-specific regulations.

### 15.2 Chemical safety assessment

no data available

## SECTION 16: Other information

### 16.1 Changes compared to the last version

Between versions 2.2.4.4 and 2.2.2.2 following changes were applied: - 2 composition data corrected - 2 substance data corrected

### 16.2 List of H and P phrases

#### 16.2.1 List of relevant H phrases

H

Between versions 2.2.4.4 and 2.2.2.2 following changes were applied: - 2 composition data corrected - 2 substance data corrected

#### 16.2.2 List of relevant P phrases

### 16.3 Recommended restriction on use

None

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### 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

SUVA, 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 progressText (11th ATP)

Regulation 1480/2018/EU, adaptation of regulation 1272/2008/EG to technical and scientific progress (13th ATP)

Regulation 521/2019/EU, 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)

Regulation 692/2022/EU, adaptation of Annex VI, Part 1, of Regulation 1272/2008/EC to technical and scientific progress (18th 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

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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### 16.6 Legend / Abbreviations

|         |                                                                             |
|---------|-----------------------------------------------------------------------------|
| acc:    | according                                                                   |
| ADR:    | Convention concerning the International Carriage of Dangerous Goods by Road |
| Act:    | acute                                                                       |
| BAT:    | biological workplace tolerance value                                        |
| CAO:    | Cargo Aircraft Only                                                         |
| Carc:   | carcinogen                                                                  |
| CAS:    | Chemical Abstracts Service                                                  |
| CLP:    | Classification, Labelling and Packaging regulation                          |
| CMR:    | carcinogen, mutagen, reproduction toxic                                     |
| Corr:   | corrosive                                                                   |
| COD:    | chemical oxygen demand                                                      |
| CSCL:   | Chemical Substance Control Law (Jp)                                         |
| Dam:    | damage                                                                      |
| DNEL:   | Derived No-Effect Level (for workers)                                       |
| derm:   | dermal                                                                      |
| dog:    | dog                                                                         |
| EC10:   | Concentration causing a toxic effect in 10% of the test organisms           |
| EC:     | European Community                                                          |
| EC-Nr:  | Substance number of the EC substance inventory                              |
| EmS:    | Guide to accident management measures on ships                              |
| EU:     | European Union                                                              |
| fish:   | fish (not spezified)                                                        |
| GHS:    | Global Harmonized System of Classification and Labeling of Chemicals        |
| gpg:    | guinea pig                                                                  |
| ICAO:   | International Civil Aviation Organization                                   |
| ihl:    | inhaled                                                                     |
| IMDG:   | International Maritime Dangerous Goods Code                                 |
| intrav: | intravenous                                                                 |



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|                       |                                                                      |
|-----------------------|----------------------------------------------------------------------|
| ipt:                  | intraperitoneal                                                      |
| ISHL:                 | Industrial Safety and Health Law (Jp)                                |
| LC50:                 | lethal concentration 50%                                             |
| LD50:                 | lethal dose 50%                                                      |
| leuciscus idus:       | fisch, ide, orfe                                                     |
| MAK:                  | maximum workplace concentration                                      |
| Met:                  | Metall                                                               |
| mus:                  | mouse                                                                |
| Muta:                 | mutagen                                                              |
| NIOSH:                | National Institute for Occupational Safety and Health (US)           |
| NRD:                  | Non-rapidly degradable                                               |
| onchorhynchus mykiss: | fish, rainbow trout                                                  |
| orl:                  | oral                                                                 |
| OSHA:                 | Occupational Safety and Health Administration                        |
| PAX:                  | transport on passenger planes allowed                                |
| PBT:                  | persistent, bioaccumulating, toxic substance                         |
| pH:                   | pH value                                                             |
| pimephales promelas:  | fish, fathead minnow                                                 |
| PNEC:                 | Predicted No Effect Concentration                                    |
| PROC 15:              | Process category 'for laboratory use'                                |
| PRTR:                 | Law for PRTR and Promotion of Chemical Management (Jp)               |
| PVC:                  | polyvinyl chloride                                                   |
| quail:                | bird, quail                                                          |
| rat:                  | rat                                                                  |
| rbt:                  | rabbit                                                               |
| RD:                   | rapidly degradable                                                   |
| RE:                   | repeated                                                             |
| REACH:                | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| REF:                  | item number, reference number                                        |
| Reg.No.:              | rRegistration number                                                 |
| Repr:                 | harmful to reproduction                                              |
| Resp:                 | respiratory                                                          |
| RIP:                  | REACH Implementations Projects                                       |
| scu:                  | sub cutan                                                            |
| SDS:                  | safety data sheet                                                    |
| Sens:                 | sensitisation                                                        |
| STEL:                 | short term exposure limit                                            |
| STOT:                 | Specific Target Organ Toxicity                                       |
| SVHC:                 | Substance of Very High Concern                                       |
| t/a:                  | tons per year                                                        |
| TCCA:                 | Toxic Chemicals Control Act (S. Korea)                               |
| Tox:                  | toxic                                                                |
| TSCA:                 | The Toxic Substances Control Act (US)                                |
| TWA:                  | time weighted average                                                |
| TRGS:                 | technical regulations (DE)                                           |
| vPvB:                 | very persistent, very bioaccumulating substance                      |

## 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.