

Material Safety Data Sheet

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

Printing date: 22.05.2013

Date of issue: 08.05.2013

1 Identification of the Substance/Mixture and of the Company

1.1 Identification/Product Name

REF 90603
Product name CHLORTESMO (200 strips)
1 x 200 strips test paper

1.2 Use of the Substance/Mixture

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 chapters 1-16.

1.3 Manufacturer

NPS Corporation
3303 Spirit Way; Green Bay, WI 54304
Tel. 800-558-5066 E-mail: info@npscorp.com

1.4 Emergency Telephone

Information not necessary.

2 Hazard Identification

2.1 Hazard Symbols of Product

Directive 1999/45/EC
Symbols -
R -
GHS Directive 1272/2008/EC
GHS Symbols -

2.2 Hazard Description

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, 67/548/EEC 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

Other Hazards

2.3 Hazard description of the components

200 strips test paper

Directive 1999/45/EC

Symbols - do not need labelling as hazardous

GHS Directive 1272/2008/EC

GHS Symbols - do not need labelling as hazardous
Signal word - do not need labelling as hazardous

No hazard class

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3 Composition/Information on Ingredients

3.1 Hazardous Components

200 strips test paper

Chemical:	<i>filter paper (cellulose CAS 9004-34-6)</i>	CAS No.:	-
Concentration:	80 - 100 %		
Formula:	$(C_6 H_{10} O_5)_n$		
REACH Reg. No.:	exempt, Annex IV		
EC No.:	232-674-9		
RTECS:	FJ5691460		
TSCA Inventory:	listed		
acc. 1999/45/EC:	-	acc. CLP (GHS):	not necessary
Chemical:	<i>chemicals/mixture < 1%, no declaration necessary</i>	CAS No.:	-
Concentration:	0,1 - 1 %		
acc. 1999/45/EC:	-	acc. CLP (GHS):	not necessary

3.2 Remarks

4 First Aid Measures

4.1 General Information

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 Further Medical Treatment/Attention

No additionally recommendations.

5 Fire-fighting Measures

5.1 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.

5.2 Hazards, Combustion Products/Gases

None.

5.3 Special Protective Equipment required

No, for listed product.

5.4 Additional Information

Product package burns like paper or plastic.

6 Accidental Release Measures

6.1 Personal Precautions

Not necessary.

6.2 Methods of Cleaning-up

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

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7 Handling and Storage

7.1 Handling

In accordance with the testing instructions, that comes with the product.

7.2 Storage

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.

8 Exposure Controls/Personal Protection

8.1 Exposure Limit Values

200 strips test paper

Chemical: *filter paper (cellulose CAS 9004-34-6)*

CAS No.: -

TRGS 900 (DE): 4 E mg/m³

SUVA(CH) MAK value: 3 a mg/m³

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

TSCA Inventory: listed

NIOSH: not listed

OSHA: not listed

Chemical: *chemicals/mixture < 1%, no declaration necessary*

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.

8.2.5 Personal Hygiene

Information not necessary.

9 Physical and Chemical Properties

9.1 General Information

200 strips test paper

Color: colored

Odor: odorless

Appearance: solid

9.2 Important Health, Safety and Environmental Information

9.2.1 Safety relevant Basis Data

200 strips test paper

9.2.2 Relevant Properties of Substance Group

9.3 Additional Information

not necessary

Material Safety Data Sheet

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

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10 Stability and Reactivity

10.1 Conditions to avoid

Not necessary.

10.2 Materials to avoid

Not necessary. Only avoid contact with concentrated acids.

10.3 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.

11 Toxicological Information

Following information is valid for pure chemicals.

200 strips test paper

Chemical:	<i>filter paper (cellulose CAS 9004-34-6)</i>	CAS No.: -
LD50 _{orl rat} :	>5000 mg/kg	
LC50 _{ihl rat} :	>5800 _{4h} mg/m ³	
LD50 _{drm rbt} :	>2000 mg/kg	

Chemical:	<i>chemicals/mixture < 1%, no declaration necessary</i>	CAS No.: -
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12 Ecological Information

12.1 Ecotoxicity

Following information is valid for pure chemicals.

200 strips test paper

Chemical:	<i>filter paper (cellulose CAS 9004-34-6)</i>	CAS No.: -
WGK (DE):	nwg	
Storage class (VCI):	11	

Chemical:	<i>chemicals/mixture < 1%, no declaration necessary</i>	CAS No.: -
WGK (DE):	1	
Storage class (VCI):	12	

13 Disposal Considerations

(Not necessary.) GENERAL: Empty solids into municipal waste, empty liquids diluted into drains.

14 Transport Information

Not necessary

15 Regulatory Information

15.1 International Regulations

According GHS inner packages must be only labelled with symbol(s) and product identifier.

200 strips test paper

Directive 1999/45/EC

Symbols:

-

-

GHS Directive 1272/2008/EC

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

15.2 National Regulations

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

NPS Corporation 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.

NPS Corporation makes NO REPRESENTATIONS or WARRANTIES, either expressed or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly NPS Corporation will not be responsible for damages resulting from use of or reliance upon this information

16.5 Sources of Key Data

Regulation 453/2010/EU REACH - REQUIREMENTS FOR THE COMPILATION OF SAFETY DATA SHEETS

TRGS 900, German engineering rules governing limits in air at work, updated July 2012

SUVA .CH, Limits in air at work 2009, revised on 01.2009

KÜHN, BIRETT Merkblätter Gefährliche Arbeitsstoffe (Data Sheets of Hazardous Substances)

Material Safety Data Sheet

Filtration · Testing · Chromatography · Bioanalysis
Filtrieren · Testen · Chromatographie · Bioanalytik

according to EC Directive 1907/2006/EC

Printed: 2010-09-22

Issued: 2010-03-16

Version: 2.6.1

1. Identification of the substance/ mixture and company

1.1 Identification/product name

Oil test paper Reagent Strips
Cat. No./REF 90760

1.2 Use of the substance/ mixture

Product for analytical use (RIP 3.2 Codes: SU 0-2, PC 21, PROC 15, AC 0)

1.3 Manufacturer MNPS Corporation
N3303 Spirit Way; Green Bay, WI 54304

Information from

☎ 800-558-5066 e-mail: info@npsc corp.com

1.4 Emergency telephone

Call your regional Poisons Information Service or call local Life Saving Service.

2. Hazards identification

2.1 Hazard description

This is not a hazardous substance/mixture.

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 1907/2006/EC, 1999/45/EC, 67/548/EEC 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.

Hazard symbols - -

3. Composition/Information on ingredients

Chemical characterisation

Substance(s): Test paper impregnated with no hazardous substances in reportable concentrations, which must be labelled ((C₆H₁₀O₅)_n)

CAS No.: 9004-34-6 **EC No.:** 232-674-9

INDEX No.: n.n.

R reference: - **S reference:** 22

4. First aid measures

4.1 First aid instructions

Read information from Material Safety Data Sheet.

After contact with skin:

Rinse the affected skin thoroughly with water.

After contact with the eyes:

Rinse thoroughly under running water with the eyelid wide open.

4.2 Further medical treatment/attention

4.3 Specific means of treatment which should always be available at the workplace

5. Fire-fighting measures

5.1 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.

5.2 Hazards, combustion products/gases

5.3 Special protective equipment required

Material Safety Data Sheet

Oil test paper, REF 90760
rev. 2010-03-16

5.4 Additional information

The substance itself is not flammable. Product package burns like paper or plastic. Cool any undamaged containers in water, and remove from the danger zone if possible.

6. Accidental release measures

6.1 Personal precautions

6.2 Methods of cleaning-up

Bind any escaping liquid with universal binder and dispose.

7. Handling and storage

7.1 Handling

In accordance with the testing instructions, that comes with the product.

7.2 Storage

The original product package of MACHEREY-NAGEL allows a safe storage. Keep packages tightly closed during handling and storage (conditions see packing insert or label).

8. Exposure controls/ personal protection

8.1 Exposure limit values

TRGS 900: 4 E mg/m³; SUVA.CH: 3 a ml/m³; TRGS 901-96

8.2 Exposure controls

Respiratory protection:	not necessary	Hand protection:	not necessary
Eye protection:	not necessary	Skin protection:	not necessary
Personal hygiene:			

9. Physical and chemical properties

9.1 General information

Appearance: liquid or solid **Colour:** **Odour:**

9.2 Important health, safety and environmental information

pH in aqueous solution:	-
Melting point [°C]:	-
Boiling point [°C]:	-
Relative density: (at 20 °C)	g/cm ³
Solubility in water: (at 20 °C)	0

10. Stability and reactivity

10.1 Conditions to avoid not necessary

10.2 Materials to avoid not necessary

10.3 Hazardous decomposition products

For safety separation the reagents should be stored in the original package. Decompositions are not observed during the expiration period under recommended conditions (see instruction leaflet).

11. Toxicological information

11.1 Toxicological effects

11.2 Toxicological tests

Corrosive effects:	not observed
Irritant effects:	not observed
Effects after multiple exposition:	not observed
Cancerogen / mutagen effects:	
Other effects:	

Material Safety Data Sheet

Oil test paper, REF 90760
rev. 2010-03-16

LD₅₀ oral rat >5000 mg/kg

LC₅₀ inh rat >5800 mg/m³/4h

LD₅₀ derm rbt >2000 mg/kg

12. Ecological information

12.1 Ecotoxicity

13. Disposal considerations

14. Transport information

Not necessary

15. Regulatory information

15.1 Labelling

Code: - **Description:** not necessary

Constituents which are crucial to the hazard: non

R reference: - **S reference:** 22

15.2 International and national regulations

1. European Community Directive 67/548/EEC governing the classification, packaging and labelling of dangerous substances, including Adaptation to Technical Progress (ATP), 2006/121/EC
2. German act governing protection from hazardous substances (Chemicals Act / Chemikaliengesetz- ChemG), revised on May 2008
3. German order governing protection from hazardous substances (Ordinance on Hazardous Substances / Gefahrstoffverordnung - GefStoffV), revised on December 2004, according to Directive 98/24/EC
4. Directive 1998/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work
5. Directive 1999/45/EC concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations
6. Regulation (EC) 1907/2006/EC concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency
7. TRGS 200, German engineering rules governing the classification and labelling of hazardous substances, preparations and products, updated February 2007
8. Announcement 220 (German Committee for Hazardous Substances) Safety Data Sheet, September 2007
9. TRGS 900, German engineering rules governing limits in air at work, updated December 2006
10. SUVA.CH, Limits in air at work 2009, revised on 01.2009
11. TRGS 905, German engineering rules governing carcinogens and mutagens, updated May 2008

15.3 Other national regulations

DE: Water hazard class: WGK -

16. Other information

R references

-

S references

S 22 Do not breathe dust

Recommended usage and restriction: -

An individual package of this product or of this test kit has considerably less hazardous potential.

www.mn-net.com link "Services"

Bibliographical sources

KÜHN, BIRETT: Merkblätter Gefährliche Arbeitsstoffe -
(Data Sheets of Hazardous Substances)

Reason for alteration: REACH Regulation 1907/2006/EC, RIP 3.2

Further information from

Customer Service Center ☎ +49 (0)2421 969 0 📠 +49 (0)2421 969 199

Material Safety Data Sheet

Oil test paper, REF 90760

rev. 2010-03-16

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Material Safety Data Sheet

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

Printing date: 22.05.2013

Date of issue: 08.05.2013

1 Identification of the Substance/Mixture and of the Company

1.1 Identification/Product Name

REF 90750
Product name FLUORIDE test paper (200 strips)
1 x 200 strips test paper

1.2 Use of the Substance/Mixture

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 chapters 1-16.

1.3 Manufacturer

MNPS Corporation
N3303 Spirit Way; Green Bay, WI 54304
Tel. 800-558-5066

E-mail: info@npscorp.com

1.4 Emergency Telephone

Information not necessary.

2 Hazard Identification

2.1 Hazard Symbols of Product

Directive 1999/45/EC
Symbols -
R -
GHS Directive 1272/2008/EC
GHS Symbols -

2.2 Hazard Description

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, 67/548/EEC 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

Other Hazards

2.3 Hazard description of the components

200 strips test paper

Directive 1999/45/EC

Symbols - do not need labelling as hazardous

GHS Directive 1272/2008/EC

GHS Symbols - do not need labelling as hazardous
Signal word - do not need labelling as hazardous

No hazard class

Material Safety Data Sheet

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

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3 Composition/Information on Ingredients

3.1 Hazardous Components

200 strips test paper

Chemical:	<i>filter paper (cellulose CAS 9004-34-6)</i>	CAS No.:	-
Concentration:	80 - 100 %		
Formula:	$(C_6 H_{10} O_5)_n$		
REACH Reg. No.:	exempt, Annex IV		
EC No.:	232-674-9		
RTECS:	FJ5691460		
TSCA Inventory:	listed		
acc. 1999/45/EC:	-	acc. CLP (GHS):	not necessary
Chemical:	<i>chemicals/mixture < 1%, no declaration necessary</i>	CAS No.:	-
Concentration:	0,1 - 1 %		
acc. 1999/45/EC:	-	acc. CLP (GHS):	not necessary

3.2 Remarks

4 First Aid Measures

4.1 General Information

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 Further Medical Treatment/Attention

No additionally recommendations.

5 Fire-fighting Measures

5.1 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.

5.2 Hazards, Combustion Products/Gases

None.

5.3 Special Protective Equipment required

No, for listed product.

5.4 Additional Information

Product package burns like paper or plastic.

6 Accidental Release Measures

6.1 Personal Precautions

Not necessary.

6.2 Methods of Cleaning-up

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

Material Safety Data Sheet

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

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7 Handling and Storage

7.1 Handling

In accordance with the testing instructions, that comes with the product.

7.2 Storage

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.

8 Exposure Controls/Personal Protection

8.1 Exposure Limit Values

200 strips test paper

Chemical: *filter paper (cellulose CAS 9004-34-6)*

CAS No.: -

TRGS 900 (DE): 4 E mg/m³

SUVA(CH) MAK value: 3 a mg/m³

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

TSCA Inventory: listed

NIOSH: not listed

OSHA: not listed

Chemical: *chemicals/mixture < 1%, no declaration necessary*

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.

8.2.5 Personal Hygiene

Information not necessary.

9 Physical and Chemical Properties

9.1 General Information

200 strips test paper

Color: colored

Odor: odorless

Appearance: solid

9.2 Important Health, Safety and Environmental Information

9.2.1 Safety relevant Basis Data

200 strips test paper

9.2.2 Relevant Properties of Substance Group

9.3 Additional Information

not necessary

Material Safety Data Sheet

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10 Stability and Reactivity

10.1 Conditions to avoid

Not necessary.

10.2 Materials to avoid

Not necessary. Only avoid contact with concentrated acids.

10.3 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.

11 Toxicological Information

Following information is valid for pure chemicals.

200 strips test paper

Chemical:	<i>filter paper (cellulose CAS 9004-34-6)</i>	CAS No.: -
LD50 _{orl rat} :	>5000 mg/kg	
LC50 _{ihl rat} :	>5800 _{4h} mg/m ³	
LD50 _{drm rbt} :	>2000 mg/kg	

Chemical:	<i>chemicals/mixture < 1%, no declaration necessary</i>	CAS No.: -
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12 Ecological Information

12.1 Ecotoxicity

Following information is valid for pure chemicals.

200 strips test paper

Chemical:	<i>filter paper (cellulose CAS 9004-34-6)</i>	CAS No.: -
WGK (DE):	nwg	
Storage class (VCI):	11	

Chemical:	<i>chemicals/mixture < 1%, no declaration necessary</i>	CAS No.: -
WGK (DE):	1	
Storage class (VCI):	12	

13 Disposal Considerations

(Not necessary.) GENERAL: Empty solids into municipal waste, empty liquids diluted into drains.

14 Transport Information

Not necessary

15 Regulatory Information

15.1 International Regulations

According GHS inner packages must be only labelled with symbol(s) and product identifier.

200 strips test paper

Directive 1999/45/EC

Symbols:

-

-

GHS Directive 1272/2008/EC

Material Safety Data Sheet

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

15.2 National Regulations

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

NPS Corporation 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

TRGS 900, German engineering rules governing limits in air at work, updated July 2012

SUVA .CH, Limits in air at work 2009, revised on 01.2009

KÜHN, BIRETT Merkblätter Gefährliche Arbeitsstoffe (Data Sheets of Hazardous Substances)