

SAFETY DATA SHEETS

This SDS packet was issued with item:

078917312

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078917311



MATERIAL SAFETY DATA SHEET (1907/2006/EC)

Trade name: **Cleaner / HM5 Reagent Pack**

Version: 2 Latest revision: 13.11.2009

Previous issue: 06.03.2009

Page: 1/(7)

1. Identification of the substance / preparation and company

Product code:

Product type / recommended uses:

preparation / Detergents containing microfiltered solution for regular cleaning, rinsing and washing of hematology analyzers' capillaries, tubings and chambers, removing blood component precipitates and lipoprotein deposits.

Manufacturer / Supplier identification:

Diatron MI ZRT
H-1038 Budapest, Papírgyár u. 58-59.
Phone: + 36 06 1 436-9800
Fax: + 36 1 436-9809

Responsible for SDS:

Diatron MI ZRT
H-1038 Budapest, Papírgyár u. 58-59.
Phone: + 36 06 1 436-9800
Fax: + 36 1 436-9809
E-mail: erika.mariassy@diatron.com

Emergency phone number: + 36 06 1 436-9800

Health Toxicological Information Service (ETTSZ H-1096 Budapest, Nagyvárad tér 2.)

Phone: +36 1 476-6464 or +36 80 201-199

or

Health Toxicological Information Service in the country of user

2. Hazards identification

Human health hazards: Danger symbol not required.

Safety hazards: Danger symbol not required.

Environmental hazards: Danger symbol not required.

3. Composition / information on ingredients

Chemical description: Detergents, saline solution, other cleaning agents in water.

Ingredients / hazardous components:

Name	EINECS number	CAS number	Hazard symbol	Risk phrase	Conc. %(m/m)
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Does not contain dangerous ingredients or substances.

4. First aid measures

General information: Never give anything by mouth to an unconscious person, or never induce vomiting.

Inhalation: Supply fresh air, consult doctor in case of symptoms.

Skin contact: Wash with water.

Eye contact: Rinse opened eye for several minutes under running water.

Ingestion: Rinse out mouth.

Note to physician: Material Safety Data Sheet.

5. Fire hazard / fire-fighting measures

Fire hazard:
Non combustible.

Suitable extinguishing media:
Coordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media:
Not known.

Hazardous decomposition products:
Not known.

Special protective equipment:
According to the existing fire-fighting regulations.

Further guidance:
-

6. Accidental release measures

Personal precautions:
See Section 8.

Environmental precautions:
Not required.

Clean-up procedures / recovery:

- On soil:
 - Large amount - soak up the product with an absorbent (sand, diatomaceous earth, acid binding absorbent, universal binder, sawdust).
 - Wash the rest of product with plenty of water.
- Small amount – Wash with water.
- On natural water:

7. Handling and storage

Handling:

Keep general measures applied for normal operations with chemicals and for working in laboratory.

Information about protection against explosions and fires:

No special requirements.

Technical measures:

None determined.

Storage:

Requirements to be met by storerooms and containers:

No special requirements.

Information about storage in one common storage facility:

Not required.

Storage conditions:

Keep in closed, original container.

Protect from freeze and direct sunshine.

Incompatible materials:

Not determined.

Packaging materials:

Not determined.

Specific application:

See product sheet.

8. Exposure controls / personal protection

Engineering control measure:

Use general room ventilation.

Exposure limits:

Allowable/tolerable values in working air: -

Personal protection:

(Protective equipment should be qualified by an organisation with adequate licence.)

Respiratory protection: Not required.

Hand protection: Use of protective gloves is recommended.

Eye protection: Safety glasses recommended during refilling.

Skin protection: Protective clothing, general (lab. coat).

Other special:

General protective measures / hygiene:

Avoid prolonged contact with skin and eye, swallowing the product.

Ensure washing facilities (warm water) after working hours and before breaks. Wash thoroughly hands after using the product.

Environmental exposure controls:

Do not discharge into drains/surface waters/groundwater.

9. Physical and chemical properties

Appearance:

Physical state:	liquid
Colour:	colourless
Odour:	characteristic

Change in physical state:

Melting point:	-5°C
Boiling point:	102°C

Others:

Flash point (COC):	not applicable
Ignition temperature:	not applicable
Autoignition:	not applicable
Explosive properties:	not explosive
Oxidizing properties:	not oxidizing
Vapour pressure at 20°C:	23 hPa
Density at 20°C:	1.01 g/cm ³
Solubility in water:	miscible
Organic solvents:	< 0.5 %
Octanol/water partition coefficient:	not determined
pH:	8

10. Stability and reactivity

Stability:	No decomposition if handled and stored properly.
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Conditions to avoid:	Not known.
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Materials to avoid:	Not known. No dangerous reaction.
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Hazardous decomposition products:	Not known.
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Notes:

11. Toxicological information

Acute toxicity: No data for the product.

Oral:

Dermal:

Inhalation:

Acute toxicity: irritation

Skin: not irritating (based on components)

Eye: not irritating (based on components)

Sensitization: not sensitising (based on components)

Chronic toxicity: not known

Other information, specific effects:

Carcinogen effect: not known

Mutagen effect: not known

Reproduction-damaging effect: not known

Note: 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.

12. Ecological information

Mobility:

Degradability / persistence:

biodegradability: Not determined.

Accumulative potential: Not determined.

Ecotoxicity: No data for the product.

aquatic organisms:

soil organisms:

plants:

Biological oxygen demand:

Chemical oxygen demand:

Environmental effect: In case of normal use the product is not harmful to the environment.

Water hazard classification (German):

13. Disposal considerations

Product disposal:

Waste identification number:

EWC code: 06 03 14

Solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13.

or

EWC code: 20 01 30

Detergents other than those mentioned in 20 01 29.

Notes: classification of product waste is also dependent on the conditions of application.

Disposal must be in compliance with national and local regulations.

Smaller quantities can be disposed with household waste.

Packaging disposal:

Containers with product residue should also be treated according to EU directives and national regulations.

Wastewater:

Quality of wastewater due to normal use emitted to natural water must comply with governmental regulations.

14. Transport information

Land transport:

Road / Railway

ADR / RID classification:

Not classified.

Waterways:

Inland waterways

ADN:

Not classified.

Sea transport

IMDG classification:

Not classified.

Air transport:

ICAO / IATA classification:

Not classified.

15. Regulatory information

Classification and labelling according to EU directives [67/548/EEC and 88/379/EEC, 1999/45/EC (existing versions)] and to Hungarian regulation [44/2000. (XII. 27.) EüM rendelet (existing version)] for hazardous substances and hazardous preparations:

Danger symbol(s) and indication(s):

not required

Hazardous components:

-

The label must bear the inscription:

-

R-phrase: not required

S-phrase: not required

Tactile warning of danger: Not required.

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16. Other information

Recommended applications / restrictions:

See product sheets.

Information given is based on our best knowledge and is intended to describe the product for the purposes of safety of transporting and handling only. It should not be therefore construed as guaranteeing any specific property of the product. It is the responsibility of the user to observe all current regulations and consider recommendations on the use of application of product.

This safety data sheet has been prepared according to Regulation (EC) No 1907/2006, Directives 88/379/EEC and 1999/45/EC.

Source of data presented in this material safety data sheet:

Test results of this product

Material safety data sheets of product's components

Hungarian and EU lists of dangerous substances

Relevant Hungarian regulation and EU directives

The full text of each relevant R-phrase in Section 3.:

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Latest revision:

Section	Subject of change	Date	Version
3	Composition / information on ingredients	11.11.2009	2
7	Handling and storage		
15	Regulatory information		
16	Other information		
1-16	Revision modification according to REACH (1907/2006/EC), other correction		



MATERIAL SAFETY DATA SHEET

According to 1907/2006/EC (REACH) and
1272/2008/EC (CLP/GHS)

Trade name: **Cleaner / HM5 Reagent Pack**

Version: 3.0 Latest revision: 02.09.2013 Previous issue: 13.11.2009 Page: 1/(7)

1. Identification of the substance / preparation and company

Product code: **D512**

Product type / recommended uses

Detergent containing microfiltered solution for regular cleaning, rinsing and washing of hematology analyzers' capillaries, tubings and chambers, removing blood component precipitates and lipoprotein deposits.

Manufacturer / Supplier identification:

Diatron MI Plc
H-1097 Budapest, Táblás u. 39.
Phone: + 36 1 436-9800
Fax: + 36 1 436-9809

Responsible for SDS:

Diatron MI Plc
H-1097 Budapest, Táblás u. 39.
Phone: + 36 1 436-9800
Fax: + 36 1 436-9809

Emergency phone number: + 36 1 436-9800

Health Toxicological Information Service (ETTSZ H-1096 Budapest, Nagyvárad tér 2.)

Phone: +36 1 476-6464 or +36 80 201-199 or

Health Toxicological Information Service in the country of user

2. Hazards identification

2.1 Classification of the Substance or Mixture

Classification according to Regulation (EC) No 1272/2008 (CLP/GHS):

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

This substance is not classified as dangerous according to Directive 67/548/EEC.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC:

Human health hazards: Danger symbol not required.

Safety hazards: Danger symbol not required.

Environmental hazards: Danger symbol not required.

2.2 Label Elements

Labelling according to Regulation (EC) No 1272/2008:

The product is classified and labelled according to the CLP/GHS Regulation.

2.3 Other hazards – none

3. Composition / information on ingredients

No components need to be disclosed according to the applicable regulations.



MATERIAL SAFETY DATA SHEET

According to 1907/2006/EC (REACH) and
1272/2008/EC (CLP/GHS)

Trade name: **Cleaner / HM5 Reagent Pack**

Version: 3.0 Latest revision: 02.09.2013 Previous issue: 13.11.2009 Page: 2/(7)

4. First aid measures

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

4.3 Indication of any immediate medical attention and special treatment needed

no data available

5. Fire hazard / fire-fighting measures

5.1 Fire hazard

Non combustible.

5.2 Suitable extinguishing media

Coordinate fire-fighting measures to the fire surroundings.

5.3 Unsuitable extinguishing media

Not known.

5.4 Hazardous decomposition products

Not known.

5.5 Special protective equipment

According to the existing fire-fighting regulations.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.



MATERIAL SAFETY DATA SHEET

According to 1907/2006/EC (REACH) and
1272/2008/EC (CLP/GHS)

Trade name: **Cleaner / HM5 Reagent Pack**

Version: 3.0 Latest revision: 02.09.2013 Previous issue: 13.11.2009 Page: 3/(7)

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. Handling and storage

7.1 Handling

Keep general measures applied for normal operations with chemicals and for working in laboratory.

Avoid contact with skin and eyes.

Information about protection against explosions and fires

No special requirements.

Technical measures

None determined.

7.2 Storage

Requirements to be met by storerooms and containers

No special requirements.

Information about storage in one common storage facility

Not required.

Storage conditions

Keep in closed, original container.

Protect from freeze and direct sunshine.

Incompatible materials

Not determined.

Packaging materials

Not determined.

7.3 Specific application

See product sheet.

8. Exposure controls / personal protection

8.1 Engineering control measure

Use general room ventilation.

8.2 Exposure limits

Allowable/tolerable values in working air: -

8.3 Personal protection

(Protective equipment should be qualified by an organisation with adequate licence.)



MATERIAL SAFETY DATA SHEET

According to 1907/2006/EC (REACH) and
1272/2008/EC (CLP/GHS)

Trade name: **Cleaner / HM5 Reagent Pack**

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Respiratory protection:	Not required.
Hand protection:	Use of protective gloves is recommended.
Eye protection:	Safety glasses recommended during refilling.
Skin protection:	Protective clothing, general (lab. coat).
Other special:	-

8.4 General protective measures / hygiene

Avoid prolonged contact with skin and eye, swallowing the product.
Ensure washing facilities (warm water) after working hours and before breaks. Wash thoroughly hands after using the product.

8.5 Environmental exposure controls

Do not discharge into drains/surface waters/groundwater.

9. Physical and chemical properties

Appearance:

Physical state:	liquid
Colour:	colourless
Odour:	characteristic

Change in physical state:

Melting point:	-2 °C
Boiling point:	102 °C

Others:

pH:	8.0
Flash point (COC):	not applicable
Ignition temperature:	not applicable
Autoignition:	not applicable
Explosive properties:	not explosive
Oxidizing properties:	not oxidizing
Vapour pressure at 20°C:	23 hPa
Density at 20°C:	1.01 g/cm ³
Solubility in water:	miscible
Organic solvents:	< 0.5 %
Octanol/water partition coefficient:	not determined
Viscosity:	
Dynamic:	not determined
Kinematic:	not determined



MATERIAL SAFETY DATA SHEET

According to 1907/2006/EC (REACH) and
1272/2008/EC (CLP/GHS)

Trade name: **Cleaner / HM5 Reagent Pack**

Version: 3.0 Latest revision: 02.09.2013 Previous issue: 13.11.2009 Page: 5/(7)

10. Stability and reactivity

Stability:	No decomposition if handled and stored properly.
Conditions to avoid:	Not known.
Materials to avoid:	Not known. No dangerous reaction.
Hazardous decomposition products:	Not known.

11. Toxicological information

Acute toxicity

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Potential health effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion May be harmful if swallowed.

Skin Not irritating (based on components).

Eyes Not irritating (based on components).

Sensitization Not sensitising (based on components).

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information

RTECS: Not available



MATERIAL SAFETY DATA SHEET

According to 1907/2006/EC (REACH) and
1272/2008/EC (CLP/GHS)

Trade name: **Cleaner / HM5 Reagent Pack**

Version: 3.0 Latest revision: 02.09.2013 Previous issue: 13.11.2009 Page: 6/(7)

12. Ecological information

12.1 Toxicity

no data available

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

13. Disposal considerations

Product disposal

Waste identification number:

EWC code: 06 03 14

Solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13.

or

EWC code: 20 01 30

Detergents other than those mentioned in 20 01 29.

Notes: classification of product waste is also dependent on the conditions of application.

Disposal must be in compliance with national and local regulations.

Smaller quantities can be disposed with household waste.

Packaging disposal

Containers with product residue should also be treated according to EU directives and national regulations.

Wastewater

Quality of wastewater due to normal use emitted to natural water must comply with governmental regulations.

14. Transport information

14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods



MATERIAL SAFETY DATA SHEET

According to 1907/2006/EC (REACH) and
1272/2008/EC (CLP/GHS)

Trade name: **Cleaner / HM5 Reagent Pack**

Version: 3.0 Latest revision: 02.09.2013 Previous issue: 13.11.2009 Page: 7/(7)

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

14.6 Special precautions for user

no data available

15. Regulatory information

This safety datasheet complies with the requirements of Regulation No. 1907/2006/EC and 1272/2008/EC (CLP/GHS).

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

no data available

15.2 Chemical Safety Assessment

no data available

15.3 Danger symbol(s) and indication(s)

not required

15.4 Hazardous components

The label must bear the inscription: -

R-phrase: not required

S-phrase: not required

Tactile warning of danger: not required.

16. Other information

Recommended applications / restrictions:

See product sheets.

Information given is based on our best knowledge and is intended to describe the product for the purposes of safety of transporting and handling only. It should not be therefore construed as guaranteeing any specific property of the product. It is the responsibility of the user to observe all current regulations and consider recommendations on the use of application of product.

Latest revision:

Section	Subject of change	Date	Version
1 - 16	Upgrading according to the 1907/2006/EC and 1272/2008/EC (CLP/GHS)	02.09.2013	3.0



MATERIAL SAFETY DATA SHEET

According to 1907/2006/EC (REACH) and
1272/2008/EC (CLP/GHS)

Trade name: **Rinse / HM5 Reagent Pack**

Version: 6.0 Latest revision: 02.09.2013 Previous issue: 11.11.2009 Page: 1/(7)

1. Identification of the substance / preparation and company

Product code: **D401**

Product type / recommended uses

Stabilized aqueous solution for quantitative and qualitative determination of erythrocytes (RBC), leukocytes (WBC), thrombocytes (PLT) and measurement of HGB concentration in animal blood on automated hematology analyzers.

Manufacturer / Supplier identification:

Diatron MI Plc
H-1097 Budapest, Táblás u. 39.
Phone: + 36 1 436-9800
Fax: + 36 1 436-9809

Responsible for SDS:

Diatron MI Plc
H-1097 Budapest, Táblás u. 39.
Phone: + 36 1 436-9800
Fax: + 36 1 436-9809

Emergency phone number: + 36 1 436-9800

Health Toxicological Information Service (ETTSZ H-1096 Budapest, Nagyvárad tér 2.)

Phone: +36 1 476-6464 or +36 80 201-199 or

Health Toxicological Information Service in the country of user

2. Hazards identification

2.1 Classification of the Substance or Mixture

Classification according to Regulation (EC) No 1272/2008 (CLP/GHS):

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

This substance is not classified as dangerous according to Directive 67/548/EEC.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC:

Human health hazards: Danger symbol not required.

Safety hazards: Danger symbol not required.

Environmental hazards: Danger symbol not required.

2.2 Label Elements

Labelling according to Regulation (EC) No 1272/2008:

The product is classified and labelled according to the CLP/GHS Regulation.

2.3 Other hazards – none

3. Composition / information on ingredients

No components need to be disclosed according to the applicable regulations.



MATERIAL SAFETY DATA SHEET

According to 1907/2006/EC (REACH) and
1272/2008/EC (CLP/GHS)

Trade name: **Rinse / HM5 Reagent Pack**

Version: 6.0 Latest revision: 02.09.2013 Previous issue: 11.11.2009 Page: 2/(7)

4. First aid measures

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

4.3 Indication of any immediate medical attention and special treatment needed

no data available

5. Fire hazard / fire-fighting measures

5.1 Fire hazard

Non combustible.

5.2 Suitable extinguishing media

Coordinate fire-fighting measures to the fire surroundings.

5.3 Unsuitable extinguishing media

Not known.

5.4 Hazardous decomposition products

Not known.

5.5 Special protective equipment

According to the existing fire-fighting regulations.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.



MATERIAL SAFETY DATA SHEET

According to 1907/2006/EC (REACH) and
1272/2008/EC (CLP/GHS)

Trade name: **Rinse / HM5 Reagent Pack**

Version: 6.0 Latest revision: 02.09.2013 Previous issue: 11.11.2009 Page: 3/(7)

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. Handling and storage

7.1 Handling

Keep general measures applied for normal operations with chemicals and for working in laboratory.

Avoid contact with skin and eyes.

Information about protection against explosions and fires

No special requirements.

Technical measures

None determined.

7.2 Storage

Requirements to be met by storerooms and containers

No special requirements.

Information about storage in one common storage facility

Not required.

Storage conditions

Keep in closed, original container.

Protect from freeze and direct sunshine.

Incompatible materials

Not determined.

Packaging materials

Not determined.

7.3 Specific application

See product sheet.

8. Exposure controls / personal protection

8.1 Engineering control measure

Use general room ventilation.

8.2 Exposure limits

Allowable/tolerable values in working air: -

8.3 Personal protection

(Protective equipment should be qualified by an organisation with adequate licence.)



MATERIAL SAFETY DATA SHEET

According to 1907/2006/EC (REACH) and
1272/2008/EC (CLP/GHS)

Trade name: **Rinse / HM5 Reagent Pack**

Version: 6.0 Latest revision: 02.09.2013 Previous issue: 11.11.2009 Page: 4/(7)

Respiratory protection:	Not required.
Hand protection:	Use of protective gloves is recommended.
Eye protection:	Safety glasses recommended during refilling.
Skin protection:	Protective clothing, general (lab. coat).
Other special:	-

8.4 General protective measures / hygiene

Avoid prolonged contact with skin and eye, swallowing the product.
Ensure washing facilities (warm water) after working hours and before breaks. Wash thoroughly hands after using the product.

8.5 Environmental exposure controls

Do not discharge into drains/surface waters/groundwater.

9. Physical and chemical properties

Appearance:

Physical state:	liquid
Colour:	colourless
Odour:	odourless

Change in physical state:

Melting point:	-2 °C
Boiling point:	102 °C

Others:

pH:	7.0
Flash point (COC):	not applicable
Ignition temperature:	not applicable
Autoignition:	not applicable
Explosive properties:	not explosive
Oxidizing properties:	not oxidizing
Vapour pressure at 20°C:	23 hPa
Density at 20°C:	1.0 g/cm ³
Solubility in water:	miscible
Organic solvents:	0 %
Octanol/water partition coefficient:	not determined
Viscosity:	
Dynamic:	not determined
Kinematic:	not determined



MATERIAL SAFETY DATA SHEET

According to 1907/2006/EC (REACH) and
1272/2008/EC (CLP/GHS)

Trade name: **Rinse / HM5 Reagent Pack**

Version: 6.0 Latest revision: 02.09.2013 Previous issue: 11.11.2009 Page: 5/(7)

10. Stability and reactivity

Stability:	No decomposition if handled and stored properly.
Conditions to avoid:	Not known.
Materials to avoid:	Not known. No dangerous reaction.
Hazardous decomposition products:	Not known.

11. Toxicological information

Acute toxicity

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Potential health effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion May be harmful if swallowed.

Skin Not irritating (based on components).

Eyes Not irritating (based on components).

Sensitization Not sensitising (based on components).

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information

RTECS: Not available



MATERIAL SAFETY DATA SHEET

According to 1907/2006/EC (REACH) and
1272/2008/EC (CLP/GHS)

Trade name: **Rinse / HM5 Reagent Pack**

Version: 6.0 Latest revision: 02.09.2013 Previous issue: 11.11.2009 Page: 6/(7)

12. Ecological information

12.1 Toxicity

no data available

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

13. Disposal considerations

Product disposal

Waste identification number:

EWC code: 06 03 14

Solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13.

Notes: classification of product waste is also dependent on the conditions of application.

Disposal must be in compliance with national and local regulations.

Smaller quantities can be disposed with household waste.

Packaging disposal

Containers with product residue should also be treated according to EU directives and national regulations.

Wastewater

Quality of wastewater due to normal use emitted to natural water must comply with governmental regulations.

14. Transport information

14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -



MATERIAL SAFETY DATA SHEET

According to 1907/2006/EC (REACH) and
1272/2008/EC (CLP/GHS)

Trade name: **Rinse / HM5 Reagent Pack**

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14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

14.6 Special precautions for user

no data available

15. Regulatory information

This safety datasheet complies with the requirements of Regulation No. 1907/2006/EC and 1272/2008/EC (CLP/GHS).

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

no data available

15.2 Chemical Safety Assessment

no data available

15.3 Danger symbol(s) and indication(s)

not required

15.4 Hazardous components

The label must bear the inscription: -

R-phrase: not required

S-phrase: not required

Tactile warning of danger: not required.

16. Other information

Recommended applications / restrictions:

See product sheets.

Information given is based on our best knowledge and is intended to describe the product for the purposes of safety of transporting and handling only. It should not be therefore construed as guaranteeing any specific property of the product. It is the responsibility of the user to observe all current regulations and consider recommendations on the use of application of product.

Latest revision:

Section	Subject of change	Date	Version
1 - 16	Upgrading according to the 1907/2006/EC and 1272/2008/EC (CLP/GHS)	02.09.2013	6.0