according to Regulation (EC) No. 1907/2006



HP Viral RNA Kit

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

1.1 Product identifier

Commercial Product Name : HP Viral RNA Kit Mat.-No./ Genisys-No. : 11858882001

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

Recommended restrictions

on use

: For professional users only.

1.3 Details of the supplier of the safety data sheet

Company : Roche Diagnostics Deutschland GmbH

-

Sandhoferstrasse 116 68305 Mannheim

E-mail address : mannheim.umweltschutz@roche.com

Telephone : +496217590 Telefax : +496217592890

Responsible Department : +49(0)621-759-2012+49(0)621-759-4848+49(0)8856-60-2629

1.4 Emergency telephone number

In case of emergencies: : Central Works Security +49(0)621-759-2203

Roche Diagnostics GmbH

Centre for detoxification: : Mainz +49(0)6131-19240

Munich +49(0)89-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product is a kit consisting of individual ingredients. The classification of the ingredients can be obtained from section 3. Section Label elements contains the resulting labelling for the kit.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms





Signal word : Danger

Hazard statements : H302 + H332 Harmful if swallowed or if inhaled

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements : Prevention:

P261 Avoid breathing dust/ fume/ gas/ mist/ va-

pours/ spray.

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P280 Wear eye protection/ face protection.

Response:

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously

with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

P362 + P364 Take off contaminated clothing and wash it

before reuse.

2.3 Other hazards

See SECTION 3

SECTION 3: Composition/information on ingredients

Binding buffer

Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 4 H302: Harmful if swallowed.

Skin irritation, Category 2 H315: Causes skin irritation.

Serious eye damage, Category 1 H318: Causes serious eye damage.

Classification (67/548/EEC, 1999/45/EC)

Harmful R22: Harmful if swallowed.

Irritant R38: Irritating to skin.

R41: Risk of serious damage to eyes.

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
guanidinium chloride	50-01-1 200-002-3	Xn; R22 Xi; R36/38	Acute Tox. 4; H302 Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319	>= 30 - < 50
Triton X-100	9002-93-1	Xn; R22 Xi; R41	Acute Tox. 4; H302 Eye Dam. 1; H318	>= 30 - < 50

For explanation of abbreviations see section 16.

Poly (A), lyophylized

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture.

Hazardous components

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Remarks : No hazardous ingredients

Wash Buffer I / Inhibitor Removal Buffer

Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 4 H302: Harmful if swallowed.

Acute toxicity, Category 4 H332: Harmful if inhaled.

Skin irritation, Category 2 H315: Causes skin irritation.

Eye irritation, Category 2 H319: Causes serious eye irritation.

Classification (67/548/EEC, 1999/45/EC)

Harmful R22: Harmful if swallowed.

Irritant R36/38: Irritating to eyes and skin.

Hazardous components

Chemical Name	CAS-No.	Classification	Classification	Concentration
	EC-No.	(67/548/EEC)	(REGULATION	(%)
	Registration	,	(EC) No	, ,
	number		1272/2008)	
guanidinium chloride	50-01-1	Xn; R22	Acute Tox. 4; H302	>= 50 - < 70
	200-002-3	Xi; R36/38	Acute Tox. 4; H332	
			Skin Irrit. 2; H315	
			Eye Irrit. 2; H319	

For explanation of abbreviations see section 16.

Wash Buffer

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture.

Hazardous components

Remarks : No hazardous ingredients

Elution Buffer (EB)

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture.

Hazardous components

Remarks : No hazardous ingredients

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SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Move out of dangerous area.

Consult a physician.

Show this safety data sheet to the doctor in attendance.

Do not leave the victim unattended.

If inhaled : Move to fresh air.

If unconscious place in recovery position and seek medical

advice.

If symptoms persist, call a physician.

In case of skin contact : If skin irritation persists, call a physician.

If on skin, rinse well with water. If on clothes, remove clothes.

In case of eye contact : Small amounts splashed into eyes can cause irreversible tis-

sue damage and blindness.

In the case of contact with eyes, rinse immediately with plenty

of water and seek medical advice.

Continue rinsing eyes during transport to hospital.

Remove contact lenses. Protect unharmed eye.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed : Clean mouth with water and drink afterwards plenty of water.

Keep respiratory tract clear. Do NOT induce vomiting.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician. Take victim immediately to hospital.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : The first aid procedure should be established in consultation

with the doctor responsible for industrial medicine.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local cir-

cumstances and the surrounding environment.

Unsuitable extinguishing : High volume water jet

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media

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-

fighting

: Do not allow run-off from fire fighting to enter drains or water

courses.

5.3 Advice for firefighters

Special protective equipment

for firefighters

: Wear self-contained breathing apparatus for firefighting if nec-

essary

Further information : Collect contaminated fire extinguishing water separately. This

must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform

respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel,

acid binder, universal binder, sawdust).

Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Treat recovered material as described in the section "Disposal considerations".

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust.

Avoid contact with skin and eyes. For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the ap-

plication area.

Dispose of rinse water in accordance with local and national

regulations.

To prevent leaks or spillages from spreading, provide a suita-

ble liquid retention system.

Advice on protection against

fire and explosion

: Normal measures for preventive fire protection.

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Hygiene measures : When using do not eat or drink. When using do not smoke.

Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

: Keep container tightly closed in a dry and well-ventilated place. Electrical installations / working materials must comply

with the technological safety standards.

Further information on stor-

age conditions

: See label, package insert or internal guidelines

Storage class (TRGS 510) : 12, Non Combustible Liquids

Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : Laboratory chemicals

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Binding buffer

Contains no substances with occupational exposure limit values.

Poly (A), lyophylized

Contains no substances with occupational exposure limit values.

Wash Buffer I / Inhibitor Removal Buffer

Contains no substances with occupational exposure limit values.

Wash Buffer

Contains no substances with occupational exposure limit values.

Elution Buffer (EB)

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Personal protective equipment

Eye protection : Eye wash bottle with pure water

Tightly fitting safety goggles

Wear face-shield and protective suit for abnormal processing

problems.

Hand protection

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Material : Protective gloves

Remarks : The selected protective gloves have to satisfy the specifica-

tions of EU Directive 89/686/EEC and the standard EN 374 derived from it. This recommendation is only valid for the product mentioned in the safety data sheet and provided by us and for the application specified by us. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. The suitability for a specific workplace should be discussed with the producers of the protective

gloves.

Skin and body protection : impervious clothing

Choose body protection according to the amount and concen-

tration of the dangerous substance at the work place.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties *Binding buffer*

Appearance : liquid

Colour : colourless

Odour : none

Odour Threshold : No data available

pH : 6,4 - 6,8

Melting point/range : No data available

Boiling point/boiling range : No data available

Flash point : does not flash

Evaporation rate : No data available

Flammability (solid, gas) : The product is not flammable., Does not sustain combustion.

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available Relative vapour density : No data available Relative density : No data available

Density : 1,129 - 1,145 g/cm3

Solubility(ies)

Water solubility : completely miscible

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Partition coefficient: n-

octanol/water

: No data available

Ignition temperature : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity : No data available Explosive properties : No data available

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Poly (A), lyophylized

Appearance : solid

Colour : white

Odour : none

Odour Threshold : No data available pH : No data available Melting point/range : No data available

Boiling point/boiling range : No data available

Flash point : does not flash

Evaporation rate : No data available Flammability (solid, gas) : No data available Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available
Relative vapour density : No data available
Relative density : No data available
Density : No data available

Solubility(ies)

Water solubility : soluble

Partition coefficient: n-

octanol/water

: No data available

Ignition temperature : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity : No data available Explosive properties : No data available

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Wash Buffer I / Inhibitor Removal Buffer

Appearance : liquid

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Colour : colourless

Odour : none

Odour Threshold : No data available

pH : 6,6

Melting point/freezing point : No data available Initial boiling point and boiling : No data available

range

Flash point : No data available

Evaporation rate : No data available

Flammability (solid, gas) : The product is not flammable., Does not sustain combustion.

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available Relative vapour density : No data available Relative density : No data available Density : No data available

Solubility(ies)

Water solubility : completely miscible

Partition coefficient: n-

octanol/water

: No data available

Ignition temperature : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity : No data available Explosive properties : No data available

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Wash Buffer

Appearance : liquid

Colour : colourless

Odour : none

Odour Threshold : No data available

pH : 7,5

Melting point/freezing point : No data available Initial boiling point and boiling : No data available

range

Flash point : No data available

Evaporation rate : No data available

Flammability (solid, gas) : The product is not flammable., Does not sustain combustion.

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Upper explosion limit : No data available

Lower explosion limit No data available

Vapour pressure No data available : No data available Relative vapour density : No data available Relative density Density : No data available

Solubility(ies)

Water solubility : completely miscible

Partition coefficient: n-

octanol/water

Ignition temperature : No data available

: No data available Auto-ignition temperature Decomposition temperature No data available

Viscosity No data available Explosive properties No data available

Oxidizing properties The substance or mixture is not classified as oxidizing.

: No data available

Elution Buffer (EB)

: liquid **Appearance**

Colour colourless

Odour none

Odour Threshold No data available No data available Hq Melting point/freezing point : No data available

: 100 °C Boiling point/boiling range

Flash point : No data available

Evaporation rate No data available : No data available Flammability (solid, gas) : No data available Upper explosion limit

Lower explosion limit : No data available

Vapour pressure : 23 hPa (20 °C)

Relative vapour density

: No data available Relative density No data available 1 g/cm3 (20 °C) Density

Solubility(ies)

Water solubility : completely miscible

Partition coefficient: n-

octanol/water

No data available

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Ignition temperature : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity : No data available Explosive properties : No data available

Oxidizing properties : The substance or mixture is not classified as oxidizing.

9.2 Other information

Binding buffer

Conductivity : 88.000 - 98.000 μS/cm

Poly (A), lyophylized

No data available

Wash Buffer I / Inhibitor Removal Buffer

No data available

Wash Buffer

No data available

Elution Buffer (EB)

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : Keep away from heat and sources of ignition.

Reacts with the following substances:

Acids

Oxidizing agents

No decomposition if stored and applied as directed.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

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10.5 Incompatible materials

Materials to avoid : Strong acids and oxidizing agents

Bases

10.6 Hazardous decomposition products

In case of fire hazardous decomposition products may be produced such as:, Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke)., Nitrogen oxides (NOx), Ammonia, Gaseous hydrogen chloride (HCl).

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Binding buffer

Acute toxicity

Harmful if swallowed.

Components:

guanidinium chloride:

Acute oral toxicity : LD50 Oral (Rat): 475 mg/kg

LD50 Oral (Mouse): 571 mg/kg

LD50 Oral (Rat): 1.120 mg/kg

Acute inhalation toxicity : LC50 (Rat, female): 3,2 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

LC50 (Rat, male and female): 5,3 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

LC50 (Rat, male): 7,7 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2.001 mg/kg

Triton X-100:

Acute oral toxicity : LD50 Oral (Rat): 1.900 - 5.000 mg/kg

Acute toxicity estimate: 500 mg/kg

Method: Expert judgement

Acute dermal toxicity : LD50 Dermal (Rabbit): > 3.000 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Components:

guanidinium chloride:

Species: Rabbit

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Result: Irritating to skin.

Serious eye damage/eye irritation

Causes serious eye damage.

Components:

guanidinium chloride:

Species: Rabbit

Result: Irritating to eyes.

Triton X-100:

Result: Risk of serious damage to eyes. Remarks: May cause irreversible eye damage.

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

Components:

guanidinium chloride:

Assessment: Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

Not classified based on available information.

Components:

guanidinium chloride:

Germ cell mutagenicity- As- : Not mutagenic in Ames Test

sessment

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Poly (A), lyophylized

Acute toxicity

Not classified based on available information.

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

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Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information. Respiratory sensitisation: Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Wash Buffer I / Inhibitor Removal Buffer

Acute toxicity

Harmful if swallowed or if inhaled

Components:

guanidinium chloride:

Acute oral toxicity : LD50 Oral (Rat): 475 mg/kg

LD50 Oral (Mouse): 571 mg/kg

LD50 Oral (Rat): 1.120 mg/kg

Acute inhalation toxicity : LC50 (Rat, female): 3,2 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

LC50 (Rat, male and female): 5,3 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

LC50 (Rat, male): 7,7 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2.001 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Components:

guanidinium chloride:

Species: Rabbit

Result: Irritating to skin.

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Serious eye damage/eye irritation

Causes serious eye irritation.

Components:

guanidinium chloride:

Species: Rabbit

Result: Irritating to eyes.

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

Components:

guanidinium chloride:

Assessment: Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

Not classified based on available information.

Components:

guanidinium chloride:

Germ cell mutagenicity- As- : Not mutagenic in Ames Test

sessment

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Wash Buffer

Acute toxicity

Not classified based on available information.

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

according to Regulation (EC) No. 1907/2006

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Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Elution Buffer (EB)

Acute toxicity

Not classified based on available information.

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

SECTION 12: Ecological information

12.1 Toxicity

Binding buffer

Components:

guanidinium chloride:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 1.759 mg/l

Exposure time: 48 h

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Toxicity to bacteria : EC50 (Pseudomonas putida): 89 mg/l

Exposure time: 18 h

Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

Toxicity Data on Soil : Not expected to adsorb on soil.

Other organisms relevant to

the environment

: No data available

Triton X-100:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 4 - 8,9 mg/l

Exposure time: 96 h

Toxicity to daphnia and other

aquatic invertebrates

: EC50 (Daphnia magna (Water flea)): 18 - 26 mg/l

Exposure time: 48 h

Ecotoxicology Assessment

Acute aquatic toxicity

: This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

Toxicity Data on Soil : Not expected to adsorb on soil.

Other organisms relevant to

the environment

: No data available

Poly (A), lyophylized

No data available

Wash Buffer I / Inhibitor Removal Buffer

Components:

guanidinium chloride:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 1.759 mg/l

Exposure time: 48 h

Toxicity to bacteria : EC50 (Pseudomonas putida): 89 mg/l

Exposure time: 18 h

Ecotoxicology Assessment

Acute aquatic toxicity

: This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

Toxicity Data on Soil : Not expected to adsorb on soil.

Other organisms relevant to

the environment

: No data available

Wash Buffer

No data available

according to Regulation (EC) No. 1907/2006

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Elution Buffer (EB)

No data available

12.2 Persistence and degradability

Binding buffer

Components:

guanidinium chloride:

Biodegradability : Biodegradation: < 70 %

Remarks: According to the results of tests of biodegradability

this product is not readily biodegradable.

Impact on Sewage Treat-

ment

: Do not discharge product into the aquatic environment without

pretreatment (biological treatment plant).

Triton X-100:

Biodegradability : Biodegradation: > 60 %

Exposure time: 28 d

Method: OECD Test Guideline 301B

Poly (A), lyophylized

No data available

Wash Buffer I / Inhibitor Removal Buffer

Components:

guanidinium chloride:

Biodegradability : Biodegradation: < 70 %

Remarks: According to the results of tests of biodegradability

this product is not readily biodegradable.

Impact on Sewage Treat-

ment

: Do not discharge product into the aquatic environment without

pretreatment (biological treatment plant).

Wash Buffer

No data available

Elution Buffer (EB)

No data available

12.3 Bioaccumulative potential

Binding buffer

Components:

guanidinium chloride:

Partition coefficient: n-

octanol/water

: log Pow: ca. -1,7 (20 °C)

Triton X-100:

Bioaccumulation : Remarks: No bioaccumulation is to be expected (log Pow <=

4).

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Poly (A), lyophylized

No data available

Wash Buffer I / Inhibitor Removal Buffer

Components:

guanidinium chloride:

Partition coefficient: n- : log Pow: ca. -1,7 (20 °C)

octanol/water

Wash Buffer

No data available

Elution Buffer (EB)

No data available

12.4 Mobility in soil

Binding buffer

No data available

Poly (A), lyophylized

No data available

Wash Buffer I / Inhibitor Removal Buffer

No data available

Wash Buffer

No data available

Elution Buffer (EB)

No data available

12.5 Results of PBT and vPvB assessment

Binding buffer

Not relevant

Poly (A), lyophylized

Not relevant

Wash Buffer I / Inhibitor Removal Buffer

Not relevant

Wash Buffer

Not relevant

Elution Buffer (EB)

Not relevant

12.6 Other adverse effects

Binding buffer

No data available

Poly (A), lyophylized

No data available

according to Regulation (EC) No. 1907/2006

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Wash Buffer I / Inhibitor Removal Buffer

No data available

Wash Buffer

No data available

Elution Buffer (EB)

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Do not contaminate ponds, waterways or ditches with chemi-

cal or used container.

Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.

Dispose of as unused product.

Empty containers should be taken to an approved waste han-

dling site for recycling or disposal. Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Remarks : Not dangerous goods in the meaning of ADR/RID, ADNR,

IMDG-Code, ICAO/IATA-DGR

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks : Not applicable

SECTION 15: Regulatory information

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

Seveso II - Directive 2003/105/EC amending Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances

according to Regulation (EC) No. 1907/2006

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Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Not applicable

Water contaminating class

(Germany)

: WGK 2 water endangering

Binding buffer

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms





Signal word : Danger

Hazard statements : H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements : **Prevention:**

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this

product.

P280 Wear eye protection/ face protection.

P280 Wear protective gloves.

Response:

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously

with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

Disposal:

P501 Dispose of contents/ container to an ap-

proved waste disposal plant.

Hazardous components which must be listed on the label:

50-01-1 guanidinium chloride

9002-93-1 Triton X-100

Poly (A), lyophylized

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Wash Buffer I / Inhibitor Removal Buffer

Labelling (REGULATION (EC) No 1272/2008)

according to Regulation (EC) No. 1907/2006



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Hazard pictograms



Signal word : Warning

Hazard statements : H302 + H332 Harmful if swallowed or if inhaled

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements : **Prevention**:

P261 Avoid breathing dust/ fume/ gas/ mist/ va-

pours/ spray.

P280 Wear eye protection/ face protection.

P280 Wear protective gloves.

Response:

P304 + P340 + P312 IF INHALED: Remove person to fresh

air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if

you feel unwell.

P337 + P313 If eye irritation persists: Get medical advice/

attention.

Disposal:

P501 Dispose of contents/ container to an ap-

proved waste disposal plant.

Hazardous components which must be listed on the label:

50-01-1 guanidinium chloride

Wash Buffer

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Elution Buffer (EB)

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance when it is used in the specified applications.

SECTION 16: Other information

Full text of R-Phrases

R22 : Harmful if swallowed.
R36/38 : Irritating to eyes and skin.
R41 : Risk of serious damage to eyes.

according to Regulation (EC) No. 1907/2006



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Full text of H-Statements

H302 : Harmful if swallowed. H315 : Causes skin irritation.

H318 : Causes serious eye damage. H319 : Causes serious eye irritation.

H332 : Harmful if inhaled.

Full text of other abbreviations

Acute Tox. : Acute toxicity
Eye Dam. : Serious eye damage

Eye Irrit. : Eye irritation Skin Irrit. : Skin irritation

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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