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

1.1 Product identifier

Commercial Product Name	:	CINtec PLUS CYTOLOGY
Mat.-No./ Genisys-No.	:	06889549001
Substance name	:	CINtec PLUS CYTOLOGY

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 Diagnostic Canada - 201 Boulevard Armand-Frappier H7V 4A2 Laval, QC, Canada
E-mail address	:	laval.techinfo@roche.com
Telephone	:	1-877-273-3433
Telefax	:	1-877-686-1598
Responsible Department	:	Roche Care Center

1.4 Emergency telephone number

In case of emergencies:	:	CHEMTREC	1-800-424-9300
Centre for detoxification:	:	Canadian Association of Poison Control Centres	http://www.capcc.ca

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Eye irritation , Category 2	H319: Causes serious eye irritation.
Skin sensitisation , Category 1	H317: May cause an allergic skin reaction.

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

Sensitising	R43: May cause sensitisation by skin contact.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :

Signal word : Warning

Hazard statements	:	H317	May cause an allergic skin reaction.
		H319	Causes serious eye irritation.
Precautionary statements	:	**Prevention:**	
		P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
		P264	Wash skin thoroughly after handling.
		P272	Contaminated work clothing should not be allowed out of the workplace.
		P280	Wear protective gloves/ eye protection/ face protection.
		Response:	
		P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
		P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
		P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.
		P337 + P313	If eye irritation persists: Get medical advice/ attention.
		P363	Wash contaminated clothing before reuse.
		Disposal:	
		P501	Dispose of contents/ container to an approved waste disposal plant.

Additional Labelling:

EUH210 Safety data sheet available on request.

2.3 Other hazards

None known.

SECTION 3: Composition/information on ingredients

DAB H2O2

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

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Tri-potassiumphosphate-trihydrate	22763-03-7 231-907-1	Xi; R36/38	Skin Irrit.2; H315 Eye Irrit.2; H319	>= 1 - < 3

For explanation of abbreviations see section 16.

Peroxidase Inhibitor

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

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
hydrogen peroxide	7722-84-1 231-765-0	O; R 8 R 5 C; R35 Xn; R20/22	Ox. Liq.1; H271 Acute Tox.4; H302 Acute Tox.4; H332 Skin Corr.1A; H314	>= 1 - < 5

For explanation of abbreviations see section 16.

DAB

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.

Remarks : No hazardous ingredients

RED AP MULTIMER

Classification (REGULATION (EC) No 1272/2008)

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

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

Sensitising R43: May cause sensitisation by skin contact.

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	T; R23/24/25 C; R34 R43 N; R50-R53	Acute Tox.3; H301 Acute Tox.3; H331 Acute Tox.3; H311 Skin Corr.1B; H314 Skin Sens.1; H317 Aquatic Acute1; H400 Aquatic Chronic1; H410	>= 0,0015 - < 0,06

For explanation of abbreviations see section 16.

COCKTAIL (p16, Ki-67)

Classification (REGULATION (EC) No 1272/2008)

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

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

Sensitising R43: May cause sensitisation by skin contact.

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	T; R23/24/25 C; R34 R43 N; R50-R53	Acute Tox.3; H301 Acute Tox.3; H331 Acute Tox.3; H311 Skin Corr.1B; H314 Skin Sens.1; H317 Aquatic Acute1; H400 Aquatic Chronic1; H410	>= 0,0015 - < 0,06

For explanation of abbreviations see section 16.

RED anti-RABBIT NP LINKER

Classification (REGULATION (EC) No 1272/2008)

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

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

Sensitising R43: May cause sensitisation by skin contact.

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	T; R23/24/25 C; R34 R43 N; R50-R53	Acute Tox.3; H301 Acute Tox.3; H331 Acute Tox.3; H311 Skin Corr.1B; H314 Skin Sens.1; H317 Aquatic Acute1; H400 Aquatic Chronic1; H410	>= 0,0015 - < 0,06

For explanation of abbreviations see section 16.

FAST RED

Classification (REGULATION (EC) No 1272/2008)

Eye irritation, Category 2 H319: Causes serious eye irritation.
Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

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

Sensitising R43: May cause sensitisation by skin contact.

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Brij 35	9002-92-0	Xn; R22 Xi; R41	Acute Tox.4; H302 Skin Irrit.2; H315 Eye Dam.1; H318	>= 1 - < 3
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	T; R23/24/25 C; R34 R43 N; R50-R53	Acute Tox.3; H301 Acute Tox.3; H331 Acute Tox.3; H311 Skin Corr.1B; H314 Skin Sens.1; H317 Aquatic Acute1; H400 Aquatic Chronic1; H410	>= 0,0015 - < 0,06

For explanation of abbreviations see section 16.

RED NAPHTHOL

Classification (REGULATION (EC) No 1272/2008)

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

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

Sensitising R43: May cause sensitisation by skin contact.

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	T; R23/24/25 C; R34 R43 N; R50-R53	Acute Tox.3; H301 Acute Tox.3; H331 Acute Tox.3; H311 Skin Corr.1B; H314 Skin Sens.1; H317 Aquatic Acute1; H400 Aquatic Chronic1; H410	>= 0,0015 - < 0,06

For explanation of abbreviations see section 16.

DAB anti-MOUSE HQ LINKER

Classification (REGULATION (EC) No 1272/2008)

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

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

Sensitising R43: May cause sensitisation by skin contact.

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	T; R23/24/25 C; R34 R43 N; R50-R53	Acute Tox.3; H301 Acute Tox.3; H331 Acute Tox.3; H311 Skin Corr.1B; H314 Skin Sens.1; H317 Aquatic Acute1; H400 Aquatic Chronic1;	>= 0,0015 - < 0,06

			H410	

For explanation of abbreviations see section 16.

DAB HRP MULTIMER

Classification (REGULATION (EC) No 1272/2008)

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

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

Sensitising R43: May cause sensitisation by skin contact.

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	T; R23/24/25 C; R34 R43 N; R50-R53	Acute Tox.3; H301 Acute Tox.3; H331 Acute Tox.3; H311 Skin Corr.1B; H314 Skin Sens.1; H317 Aquatic Acute1; H400 Aquatic Chronic1; H410	>= 0,0015 - < 0,06

For explanation of abbreviations see section 16.

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 tissue 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

no data 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 circumstances and the surrounding environment.

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : 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 fire fighting if necessary.

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 materials 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 exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations. Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. To prevent leaks or spillages from spreading, provide a suitable liquid retention system.
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
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 storage 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

DAB H2O2

Contains no substances with occupational exposure limit values.

Peroxidase Inhibitor

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
hydrogen peroxide	7722-84-1	AGW	1 ppm 1,4 mg/m3	
hydrogen peroxide	7722-84-1	STEL	1 ppm 1,4 mg/m3	

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:
hydrogen peroxide : no data available

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:
hydrogen peroxide : no data available

DAB

Polyethylenglykol 8000	25322-68-3	AGW (Inhalable fraction)	1.000 mg/m3	DE TRGS 900
Further information	Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			

RED AP MULTIMER

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	AGW (inhalable fraction)	0,2 mg/m3	DE TRGS 900
Further information	Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			

COCKTAIL (p16, Ki-67)

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	AGW (inhalable fraction)	0,2 mg/m3	DE TRGS 900
Further information	Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			

RED anti-RABBIT NP LINKER

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	AGW (inhalable fraction)	0,2 mg/m3	DE TRGS 900
Further information	Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			

FAST RED

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	AGW (inhalable fraction)	0,2 mg/m3	DE TRGS 900

Further information	Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child

RED NAPHTHOL

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	AGW (inhalable fraction)	0,2 mg/m3	DE TRGS 900
Further information	Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			

DAB anti-MOUSE HQ LINKER

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	AGW (inhalable fraction)	0,2 mg/m3	DE TRGS 900
Further information	Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			

DAB HRP MULTIMER

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	AGW (inhalable fraction)	0,2 mg/m3	DE TRGS 900
Further information	Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			

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		
Material	:	Protective gloves
Remarks	:	The selected protective gloves have to satisfy the specifications 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 concentration of the dangerous substance at the work place.

Environmental exposure controls

General advice	:	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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

DAB H2O2

Appearance	:	liquid
Colour	:	colourless
Odour	:	slight, stinging
pH	:	acidic
Melting point/range	:	no data available

Boiling point/boiling range	:	no data available
Flash point	:	Remarks: does not flash
Flammability (solid, gas)	:	The product is not flammable.
Upper explosion limit	:	no data available
Lower explosion limit	:	no data available
Ignition temperature	:	no data available
Thermal decomposition	:	no data available
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.

Peroxidase Inhibitor

Appearance	:	liquid
Colour	:	colourless
Odour	:	slight
pH	:	4,18
Melting point/range	:	no data available
Boiling point/boiling range	:	no data available
Flash point	:	Remarks: does not flash
Flammability (solid, gas)	:	The product is not flammable.
Upper explosion limit	:	no data available
Lower explosion limit	:	no data available
Density	:	1,1 g/cm3
Solubility(ies)		
Water solubility	:	completely miscible
Ignition temperature	:	no data available
Thermal decomposition	:	no data available

DAB

Appearance	:	liquid
pH	:	2,4
Melting point/range	:	no data available
Boiling point/boiling range	:	no data available
Flash point	:	Remarks: does not flash

Flammability (solid, gas)	:	The product is not flammable.
Upper explosion limit	:	no data available
Lower explosion limit	:	no data available
Density	:	1,007 g/cm3
Solubility(ies)		
Water solubility	:	completely miscible
Ignition temperature	:	no data available
Thermal decomposition	:	no data available
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.

RED AP MULTIMER

Appearance	:	liquid
pH	:	7,16
Melting point/range	:	no data available
Boiling point/boiling range	:	no data available
Flash point	:	Remarks: does not flash
Upper explosion limit	:	no data available
Lower explosion limit	:	no data available
Density	:	1,025 g/cm3
Solubility(ies)		
Water solubility	:	completely miscible
Ignition temperature	:	no data available
Thermal decomposition	:	no data available

COCKTAIL (p16, Ki-67)

Appearance	:	liquid
Melting point/range	:	no data available
Boiling point/boiling range	:	no data available
Flash point	:	Remarks: does not flash
Upper explosion limit	:	no data available
Lower explosion limit	:	no data available
Density	:	no data available
Solubility(ies)		

Water solubility	:	completely miscible
Ignition temperature	:	no data available
Thermal decomposition	:	no data available

RED anti-RABBIT NP LINKER

Appearance	:	liquid
Melting point/range	:	no data available
Boiling point/boiling range	:	no data available
Flash point	:	Remarks: does not flash
Upper explosion limit	:	no data available
Lower explosion limit	:	no data available
Density	:	no data available
Solubility(ies)		
Water solubility	:	completely miscible
Ignition temperature	:	no data available
Thermal decomposition	:	no data available

FAST RED

Appearance	:	liquid
Colour	:	no data available
Odour	:	No information available.
Odour Threshold	:	no data available
pH	:	3,82
Melting point/range	:	no data available
Boiling point/boiling range	:	no data available
Flash point	:	Remarks: does not flash
Upper explosion limit	:	no data available
Lower explosion limit	:	no data available
Relative vapour density	:	no data available
Relative density	:	no data available
Density	:	0,98 g/cm3
Solubility(ies)		
Water solubility	:	completely miscible
Ignition temperature	:	no data available
Thermal decomposition	:	no data available

Viscosity		
Viscosity, kinematic	:	no data available

RED NAPHTHOL

Appearance	:	liquid
Colour	:	no data available
Odour	:	No information available.
Odour Threshold	:	no data available
pH	:	7,35
Melting point/range	:	no data available
Boiling point/boiling range	:	no data available
Flash point	:	Remarks: does not flash
Evaporation rate	:	no data available
Upper explosion limit	:	no data available
Lower explosion limit	:	no data available
Relative vapour density	:	no data available
Relative density	:	no data available
Density	:	1,0 g/cm3
Solubility(ies)		
Water solubility	:	completely miscible
Ignition temperature	:	no data available
Thermal decomposition	:	no data available
Viscosity		
Viscosity, kinematic	:	no data available

DAB anti-MOUSE HQ LINKER

Appearance	:	liquid
Melting point/range	:	no data available
Boiling point/boiling range	:	no data available
Flash point	:	Remarks: does not flash
Upper explosion limit	:	no data available
Lower explosion limit	:	no data available
Density	:	no data available
Solubility(ies)		

Water solubility	:	completely miscible
Ignition temperature	:	no data available
Thermal decomposition	:	no data available

DAB HRP MULTIMER

Appearance	:	liquid
Melting point/range	:	no data available
Boiling point/boiling range	:	no data available
Flash point	:	Remarks: does not flash
Upper explosion limit	:	no data available
Lower explosion limit	:	no data available
Density	:	no data available
Solubility(ies)		
Water solubility	:	completely miscible
Ignition temperature	:	no data available
Thermal decomposition	:	no data available

9.2 Other information

DAB H2O2

no data available

Peroxidase Inhibitor

no data available

DAB

no data available

RED AP MULTIMER

no data available

COCKTAIL (p16, Ki-67)

no data available

RED anti-RABBIT NP LINKER

no data available

FAST RED

no data available

RED NAPHTHOL

no data available

DAB anti-MOUSE HQ LINKER

no data available

DAB HRP MULTIMER

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 : No decomposition if stored and applied as directed.

10.4 Conditions to avoid

Conditions to avoid : no data available

10.5 Incompatible materials

Materials to avoid : no data available

10.6 Hazardous decomposition products

Hazardous decomposition products : no data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

DAB H2O2

Acute toxicity

Components:

Tri-potassiumphosphate-trihydrate:
Acute oral toxicity : LD50 Oral rat: ca. 2.001 mg/kg
Method: OECD Test Guideline 401

Skin corrosion/irritation

Components:

Tri-potassiumphosphate-trihydrate:
Result: Irritating to skin.
Remarks: May cause skin irritation in susceptible persons.

Serious eye damage/eye irritation

Components:

Tri-potassiumphosphate-trihydrate:
Result: Irritating to eyes.
Remarks: May cause irreversible eye damage.

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

Components:

Tri-potassiumphosphate-trihydrate:
Genotoxicity in vitro : Type: Ames test
Result: negative

Carcinogenicity

no data available

Reproductive toxicity

no data available

STOT - single exposure

Components:

Tri-potassiumphosphate-trihydrate:
Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure

Components:

Tri-potassiumphosphate-trihydrate:
Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity

no data available

Aspiration toxicity

Components:
Tri-potassiumphosphate-trihydrate:
no data available

Peroxidase Inhibitor

Acute toxicity

Components:

hydrogen peroxide:

Acute oral toxicity	:	LD50 Oral mouse: 2.000 mg/kg
		LD50 Oral rabbit: 820 mg/kg
		Acute toxicity estimate : 500 mg/kg Method: Expert judgement
Acute inhalation toxicity	:	Acute toxicity estimate : 11 mg/l Test atmosphere: vapour Method: Expert judgement
Acute dermal toxicity	:	LD50 Dermal rat: 4.060 mg/kg

Skin corrosion/irritation

Components:

hydrogen peroxide:
Remarks: Extremely corrosive and destructive to tissue.

Serious eye damage/eye irritation

Components:

hydrogen peroxide:
Remarks: May cause irreversible eye damage.

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

STOT - single exposure

no data available

STOT - repeated exposure

no data available

Repeated dose toxicity

no data available

Aspiration toxicity

no data available

Further information

Components:
hydrogen peroxide:
Remarks: no data available

DAB

Acute toxicity

no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

STOT - single exposure

no data available

STOT - repeated exposure

no data available

Repeated dose toxicity

no data available

Aspiration toxicity

no data available

RED AP MULTIMER

Acute toxicity

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):

Acute oral toxicity	:	LD50 Oral rat: 53 mg/kg
Acute inhalation toxicity	:	Acute toxicity estimate : 3 mg/l Test atmosphere: vapour Method: Expert judgement
Acute dermal toxicity	:	Acute toxicity estimate : 300 mg/kg Method: Expert judgement

Skin corrosion/irritation

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):
Result: Causes burns.

Serious eye damage/eye irritation

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):
Remarks: May cause irreversible eye damage.

Respiratory or skin sensitisation

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):
Classification: May cause sensitisation by skin contact.

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

STOT - single exposure

no data available

STOT - repeated exposure

no data available

Repeated dose toxicity

no data available

Aspiration toxicity

no data available

COCKTAIL (p16, Ki-67)

Acute toxicity

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):

Acute oral toxicity : LD50 Oral rat: 53 mg/kg

Acute inhalation toxicity : Acute toxicity estimate : 3 mg/l
Test atmosphere: vapour
Method: Expert judgement

Acute dermal toxicity : Acute toxicity estimate : 300 mg/kg
Method: Expert judgement

Skin corrosion/irritation

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):
Result: Causes burns.

Serious eye damage/eye irritation

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):
Remarks: May cause irreversible eye damage.

Respiratory or skin sensitisation

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):
Classification: May cause sensitisation by skin contact.

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

STOT - single exposure

no data available

STOT - repeated exposure

no data available

Repeated dose toxicity

no data available

Aspiration toxicity

no data available

RED anti-RABBIT NP LINKER

Acute toxicity

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):

Acute oral toxicity	:	LD50 Oral rat: 53 mg/kg
Acute inhalation toxicity	:	Acute toxicity estimate : 3 mg/l Test atmosphere: vapour Method: Expert judgement
Acute dermal toxicity	:	Acute toxicity estimate : 300 mg/kg Method: Expert judgement

Skin corrosion/irritation

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):
Result: Causes burns.

Serious eye damage/eye irritation

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):
Remarks: May cause irreversible eye damage.

Respiratory or skin sensitisation

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):
Classification: May cause sensitisation by skin contact.

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

STOT - single exposure

no data available

STOT - repeated exposure

no data available

Repeated dose toxicity

no data available

Aspiration toxicity

no data available

FAST RED

Acute toxicity

Components:

Brij 35:
Acute oral toxicity : LD50 Oral rat: 1.000 mg/kg

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):
Acute oral toxicity : LD50 Oral rat: 53 mg/kg

Acute inhalation toxicity	:	Acute toxicity estimate : 3 mg/l Test atmosphere: vapour Method: Expert judgement
Acute dermal toxicity	:	Acute toxicity estimate : 300 mg/kg Method: Expert judgement

Skin corrosion/irritation

Components:

Brij 35:
Result: Irritating to skin.

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):
Result: Causes burns.

Serious eye damage/eye irritation

Components:

Brij 35:
Result: Risk of serious damage to eyes.

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):
Remarks: May cause irreversible eye damage.

Respiratory or skin sensitisation

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):
Classification: May cause sensitisation by skin contact.

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

STOT - single exposure

Components:

Brij 35:
Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure

Components:

Brij 35:
Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity

no data available

Aspiration toxicity

Components:
Brij 35:
no data available

RED NAPHTHOL

Acute toxicity

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):

Acute oral toxicity	:	LD50 Oral rat: 53 mg/kg
Acute inhalation toxicity	:	Acute toxicity estimate : 3 mg/l Test atmosphere: vapour Method: Expert judgement
Acute dermal toxicity	:	Acute toxicity estimate : 300 mg/kg Method: Expert judgement

Skin corrosion/irritation

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):
Result: Causes burns.

Serious eye damage/eye irritation

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):
Remarks: May cause irreversible eye damage.

Respiratory or skin sensitisation

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):
Classification: May cause sensitisation by skin contact.

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

STOT - single exposure

no data available

STOT - repeated exposure

no data available

Repeated dose toxicity

no data available

Aspiration toxicity

no data available

DAB anti-MOUSE HQ LINKER

Acute toxicity

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):

Acute oral toxicity	:	LD50 Oral rat: 53 mg/kg
Acute inhalation toxicity	:	Acute toxicity estimate : 3 mg/l Test atmosphere: vapour Method: Expert judgement
Acute dermal toxicity	:	Acute toxicity estimate : 300 mg/kg Method: Expert judgement

Skin corrosion/irritation

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):
Result: Causes burns.

Serious eye damage/eye irritation

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):
Remarks: May cause irreversible eye damage.

Respiratory or skin sensitisation

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):
Classification: May cause sensitisation by skin contact.

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

STOT - single exposure

no data available

STOT - repeated exposure

no data available

Repeated dose toxicity

no data available

Aspiration toxicity

no data available

DAB HRP MULTIMER

Acute toxicity

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):

Acute oral toxicity	:	LD50 Oral rat: 53 mg/kg
Acute inhalation toxicity	:	Acute toxicity estimate : 3 mg/l Test atmosphere: vapour Method: Expert judgement
Acute dermal toxicity	:	Acute toxicity estimate : 300 mg/kg Method: Expert judgement

Skin corrosion/irritation

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):
Result: Causes burns.

Serious eye damage/eye irritation

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):
Remarks: May cause irreversible eye damage.

Respiratory or skin sensitisation

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):
Classification: May cause sensitisation by skin contact.

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

STOT - single exposure

no data available

STOT - repeated exposure

no data available

Repeated dose toxicity

no data available

Aspiration toxicity

no data available

SECTION 12: Ecological information

12.1 Toxicity

DAB H2O2

Components:
Tri-potassiumphosphate-trihydrate :

Toxicity to fish	:	LC0 (Leuciscus idus (Golden orfe)): ca. 900 mg/l Exposure time: 48 h
Ecotoxicology Assessment		
Toxicity Data on Soil	:	Not expected to adsorb on soil.
Other organisms relevant to the environment	:	no data available

Peroxidase Inhibitor

Components:
hydrogen peroxide :

Toxicity to fish	:	LC50 (Leuciscus idus (Golden orfe)): 30 mg/l Exposure time: 48 h LC50 (Pimephales promelas (fathead minnow)): 16,4 mg/l Exposure time: 96 h LC50 (Carassius auratus (goldfish)): 30 mg/l
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 7,7 mg/l Exposure time: 24 h
Toxicity to algae	:	LC50 (Scenedesmus quadricauda (Green algae)): 7,3 mg/l
Toxicity to bacteria	:	Remarks: no data available
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

DAB

no data available

RED AP MULTIMER

Components:
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) :

Toxicity to fish	:	LC50 (Fish): 0,36 mg/l Exposure time: 96 h

Ecotoxicology Assessment

Toxicity Data on Soil	:	Not expected to adsorb on soil.
Other organisms relevant to the environment	:	no data available

COCKTAIL (p16, Ki-67)

Components:
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) :

Toxicity to fish	:	LC50 (Fish): 0,36 mg/l Exposure time: 96 h

Ecotoxicology Assessment

Toxicity Data on Soil	:	Not expected to adsorb on soil.
Other organisms relevant to the environment	:	no data available

RED anti-RABBIT NP LINKER

Components:
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) :

Toxicity to fish	:	LC50 (Fish): 0,36 mg/l Exposure time: 96 h

Ecotoxicology Assessment

Toxicity Data on Soil	:	Not expected to adsorb on soil.
Other organisms relevant to the environment	:	no data available

FAST RED

Components:
Brij 35 :

Toxicity to daphnia and other aquatic invertebrates	:	LC50 (Daphnia magna (Water flea)): 6,46 mg/l Exposure time: 48 h

Ecotoxicology Assessment

Acute aquatic toxicity	:	Toxic to aquatic life.
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

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) :

Toxicity to fish	:	LC50 (Fish): 0,36 mg/l Exposure time: 96 h

Ecotoxicology Assessment

Toxicity Data on Soil	:	Not expected to adsorb on soil.
Other organisms relevant to the environment	:	no data available

RED NAPHTHOL

Components:
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) :

Toxicity to fish	:	LC50 (Fish): 0,36 mg/l Exposure time: 96 h

Ecotoxicology Assessment

Toxicity Data on Soil	:	Not expected to adsorb on soil.
Other organisms relevant to the environment	:	no data available

DAB anti-MOUSE HQ LINKER

Components:
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) :

Toxicity to fish	:	LC50 (Fish): 0,36 mg/l Exposure time: 96 h

Ecotoxicology Assessment

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

Other organisms relevant to the environment	:	no data available

DAB HRP MULTIMER

Components:
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) :

Toxicity to fish	:	LC50 (Fish): 0,36 mg/l Exposure time: 96 h
Ecotoxicology Assessment		
Toxicity Data on Soil	:	Not expected to adsorb on soil.
Other organisms relevant to the environment	:	no data available

12.2 Persistence and degradability

DAB H2O2

no data available

Peroxidase Inhibitor

Components:
hydrogen peroxide :

Biodegradability	:	Remarks: no data available
Biochemical Oxygen Demand (BOD)	:	Remarks: no data available
Chemical Oxygen Demand (COD)	:	Remarks: no data available
Dissolved organic carbon (DOC)	:	Remarks: no data available
Physico-chemical removability	:	Remarks: no data available

DAB

no data available

RED AP MULTIMER

no data available

COCKTAIL (p16, Ki-67)

no data available

RED anti-RABBIT NP LINKER

no data available

FAST RED

no data available

RED NAPHTHOL

no data available

DAB anti-MOUSE HQ LINKER

no data available

DAB HRP MULTIMER

no data available

12.3 Bioaccumulative potential

DAB H2O2

no data available

Peroxidase Inhibitor

Components:
hydrogen peroxide :

Bioaccumulation	:	Remarks: no data available
Partition coefficient: n-octanol/water	:	Remarks: no data available

DAB

no data available

RED AP MULTIMER

no data available

COCKTAIL (p16, Ki-67)

no data available

RED anti-RABBIT NP LINKER

no data available

FAST RED

Components:
Brij 35 :
Bioaccumulation : Species: Cyprinus carpio (Carp)
Exposure time: 72 h
Bioconcentration factor (BCF): 220

RED NAPHTHOL

no data available

DAB anti-MOUSE HQ LINKER

no data available

DAB HRP MULTIMER

no data available

12.4 Mobility in soil

DAB H2O2

no data available

Peroxidase Inhibitor

Components:
hydrogen peroxide :
Mobility : Remarks: no data available
Distribution among environmental compartments : Remarks: no data available

DAB

no data available

RED AP MULTIMER

no data available

COCKTAIL (p16, Ki-67)

no data available

RED anti-RABBIT NP LINKER

no data available

FAST RED

no data available

RED NAPHTHOL

no data available

DAB anti-MOUSE HQ LINKER

no data available

DAB HRP MULTIMER

no data available

12.5 Results of PBT and vPvB assessment

DAB H2O2

no data available

Peroxidase Inhibitor

Components:
hydrogen peroxide :
Assessment : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

DAB

no data available

RED AP MULTIMER

no data available

COCKTAIL (p16, Ki-67)

no data available

RED anti-RABBIT NP LINKER

no data available

FAST RED

no data available

RED NAPHTHOL

no data available

DAB anti-MOUSE HQ LINKER

no data available

DAB HRP MULTIMER

no data available

12.6 Other adverse effects

DAB H2O2

no data available

Peroxidase Inhibitor

Components:
hydrogen peroxide :

Environmental fate and pathways	:	no data available
Adsorbed organic bound halogens (AOX)	:	Remarks: no data available
Additional ecological information	:	no data available

DAB

no data available

RED AP MULTIMER

Components:
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) :

Additional ecological information	:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Very toxic to aquatic life with long lasting effects.

COCKTAIL (p16, Ki-67)

Components:
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) :

Additional ecological information	:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Very toxic to aquatic life with long lasting effects.

RED anti-RABBIT NP LINKER

Components:
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) :

Additional ecological information	:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Very toxic to aquatic life with long lasting effects.

FAST RED

Components:
Brij 35 :

Additional ecological information	:	no data available

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) :

Additional ecological information	:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Very toxic to aquatic life with long lasting effects.

RED NAPHTHOL

Components:
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) :

Additional ecological information	:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Very toxic to aquatic life with long lasting effects.

DAB anti-MOUSE HQ LINKER

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) :

Additional ecological information	:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Very toxic to aquatic life with long lasting effects.

DAB HRP MULTIMER

Components:
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) :

Additional ecological information	:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Very toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	:	Do not contaminate ponds, waterways or ditches with chemical 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 handling site for recycling or disposal. Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.2 Proper shipping name

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.3 Transport hazard class

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.4 Packing group

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA_C

Not dangerous goods

IATA_P

Not dangerous goods

14.5 Environmental hazards

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.6 Special precautions for user

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
not applicable

Water contaminating class (Germany) : WGK 2 water endangering

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

R 5	Heating may cause an explosion.
R 8	Contact with combustible material may cause fire.
R20/22	Harmful by inhalation and if swallowed.
R22	Harmful if swallowed.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R34	Causes burns.
R35	Causes severe burns.
R36/38	Irritating to eyes and skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.
R50	Very toxic to aquatic organisms.
R53	May cause long-term adverse effects in the aquatic environment.

Full text of H-Statements

H271	May cause fire or explosion; strong oxidiser.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	Acute toxicity
Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
Eye Dam.	Serious eye damage
Eye Irrit.	Eye irritation
Ox. Liq.	Oxidizing liquids
Skin Corr.	Skin corrosion
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitisation

Further information

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