

1. Identification of the Substance and of the Company

Product name	ImmunoCAP® Washing Solution
Article number	10-9202-01, 10-9202-41 10-9422-01, 10-9422-41 10-9426-10, 109427-10, 10-9472-10
Use of the preparation	<i>In vitro</i> diagnostic test

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2. Hazard Identification

<u>Washing Solution Additive</u>	
Health hazards	Irritant, irritating to eyes and skin. May cause sensitisation by skin contact
Environmental hazards	The product contains substances with concentrations that are not classified as hazardous to the environment according to EC directive None
Fire and explosion hazards	None
Physical/chemical hazards	None
<u>Washing Solution Concentrate</u>	
Health hazards	The product contains substances with concentrations that are not classified as hazardous to health in concentrations that should be taken into account according to EC directive.
Environmental hazards	The product contains substances with concentrations that are not classified as hazardous to the environment according to EC directive None
Fire and explosion hazards	None
Physical/chemical hazards	None.
<u>Prepared Washing Solution</u>	
Health hazards	Irritant; May cause sensitization by skin contact
Environmental hazards	The product contains substances with concentrations that are not classified as hazardous to the environment in concentrations that should be taken into account according to EC directive.
Fire and explosion hazards	None
Physical/chemical hazards	None



3. Composition/Information on Ingredients

Preparations contain	CAS No.	EINECS No.	Conc.	Classification For further information, see section 16
Washing Solution Additive Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC no. 220-239-6] (3:1) Polysorbate 20 Water	55965-84-9 26628-22-8	 247-852-1	< 0.13% 35 % 65 %	T; R 23/24/25 C; R 34 N; R 50-53 - -
Washing Solution Concentrate Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC no. 220-239-6] (3:1) Non-hazardous components (phosphate buffer)	55965-84-9 -	 	<0.001% >99%	T; R 23/24/25 C; R 34 N; R 50-53 -
Prepared Washing Solution Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC no. 220-239-6] (3:1) Non-hazardous components (Polysorbate 20, phosphate buffer)	55965-84-9		< 0.0023% >99%	T; R 23/24/25 C; R 34 N; R 50-53

4. First Aid Measures

Washing Solution Additive Prepared Washing Solution	<p>In case of skin contact, wash with plenty of water and soap. Washing facilities should be found where Washing Solution Additive is handled.</p> <p>In case of contact with eyes, rinse with plenty of water and seek medical advice.</p> <p>Equipment for flushing the eyes should be found where Washing Solution Additive is handled.</p>
Skin contact	
Eye contact	
Washing Solution Concentrate	
Skin contact	-
Eye contact	-



5. Fire Fighting Measures

Specific hazards	This mixture does not pose a fire hazard.
Suitable extinguishing media	Chose extinguishing media according to surrounding material

6. Accidental Release Measures

<u>Washing Solution Additive</u> Personal precaution Environmental precaution Clean-up method –Spillage of Washing Solution Additive	Wear suitable gloves and eye/face protection. Flush into sewer with plenty of water. Wipe up with adsorbent material (e.g. cloth, fleece) discharge according to local regulation.
<u>Washing Solution Concentrate</u> Personal precaution Environmental precaution Clean-up method –Spillage of Washing Solution Concentrate	Flush into sewer with plenty of water. Wipe up with adsorbent material (e.g. cloth, fleece) discharge according to local regulation.
<u>Prepared Washing Solution</u> Personal precaution Environmental precaution Clean-up method –Spillage of Prepared Washing Solution	Wear suitable gloves and eye/face protection. Flush into sewer with plenty of water. Wipe up with adsorbent material (e.g. cloth, fleece) discharge according to local regulation.

7. Handling and Storage

<u>Washing Solution Additive</u> <u>Washing Solution Concentrate</u> Handling and specific use Storage	See Direction for Use The expiration date for the complete package is stated on the outer label and the recommended storage temperature is 2-8 °C. Each component is stable until the date stated on the respective label.
<u>Prepared Washing Solution</u> Handling and specific use Storage	See Direction for Use One week



8. Exposure Controls/Personal Protection

<u>Washing solution Additive</u> <u>Washing Solution Concentrate</u> <u>Prepared Washing Solution</u>	
Occupational Exposure limit value	No Occupational Exposure limit value is given
<u>Occupational exposure control</u> Respiratory protection Hand protection Material of gloves Penetration time of glove material Eye protection	Not required Disposable gloves Vinyl gloves Gloves resistance is not critical when the product is handled according to the directions for use. Safety glasses recommended
<u>Environmental exposure control</u>	Washing solution can be disposed with wastewater, when in compliance with local regulations.

9. Physical and Chemical Properties

Property	<u>Washing solution additive</u>	<u>Washing solution concentrate</u>	<u>Prepared Washing Solution</u>
Form	Liquid	Liquid	Liquid
Colour	Pale yellow		Clear
Odour	Mild pleasant odour		
pH		7,1-7,3	neutral
Boiling point			100°C
Flash point:	N/A	N/A	N/A
Upper/Lower Explosion limit	N/A	N/A	N/A
Vapour pressure:			
Density			
Solubility in water	Completely soluble	Completely soluble	Completely soluble
Viscosity			
Other information			
Form	Liquid	Liquid	Liquid



10. Stability and Reactivity

Stability	The Washing Solution additive and Washing Solution concentrate should not be use after expiration date. The prepared Washing Solution is stable for one week at room temperature.
Reactivity	Stable at recommended storage conditions
Conditions to avoid	-
Materials to avoid	-
Hazardous decomposition	-

11. Toxicological Information

Acute toxicity	Raw material	Oral: LD50 rat female 2.630 mg/kg Oral: LD50 rat male 3.350 mg/kg Inhalation: LD50 rat 4h 0.33mg/l Dermatal: LD50 rabbit >5.000 mg/kg
Sensitization	Raw material	Sensitization (Guinea pig)
Repeated-dose toxicity		-
Carcinogenicity	CAS No 55965-84-9	Product do not contain any components known to have carcinogenic effect.
Reproductive toxicity	CAS No 55965-84-9	Product do not contain any components known to be toxic to the reproductive system and having fertility effect.
Mutagenicity	CAS No 55965-84-9	Product do not contain any components known to have mutagenic effect.
Other information		Information given is based on data from raw material



12. Ecological Information		
Ecotoxicity		
Fish	CAS No 55965-84-9	LC50 Rainbow trout 96h 0,19mg/l LC50 Bluegill sunfish 96h 0,28mg/l
Alga		EC50 Marine alga (Skeletonema costatum) 0,003mg/l EC50 Alga (Selenastrum capreicornutum)
Aquatic invertebrates		EC50 Daphnia magna 48h 0,16mg/l
Mobility:	CAS No 55965-84-9	Activated sludge growth inhibition EC 50: 4,5mg/l
Persistence and degradability:	CAS No 26172-55-4	t ½ anaerobic =4.8 h t½ aerobic =17.3 h
	CAS No 2682-20-4	t½ aerobic =9.1 h
Bioaccumulative potential:		Data is lacking on the product
Other adverse effects:		Data is lacking on the product
Other information		Information given is based on data from raw material

13. Disposal Considerations	
The product	Washing solution can be disposed with wastewater, when in compliance with local regulations.
Emptied packaging	Packaging waste made of plastic and paper boxes can be sorted and recycled according to local regulations.
Emptying instruction	Plastic bottles empties well, free of drip and hands over to plastic recycling. Paper boxes are hand over to relevant material recycling.
European waste catalogue	18 01 07 Other chemicals than those in 180106

14. Transport Information	
The product is not classified as Dangerous Goods in the meaning of current transport regulations (ADR/RID; DGR and IMDG code).	
Ambient temperature not to be exceeded during transport: +27 °C.	



15. Regulatory Information

Classification according to European directive on classification of dangerous preparations 1999/45/EEC.

Washing solution additive

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)

Hazard warning symbols and designations



Xi: Irritant

R36/38: Irritating to eyes and skin

R 43 May cause sensitization by skin contact

S 26-28 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advise; After contact with skin wash immediately with plenty of water.

16. Other Information

Classification and R-phrases in section 3:

T (toxic); R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

C (corrosive); R 34 Causes burns; R 43 May cause sensitization by skin contact

N (toxic to the environment); R 50-53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Internal No.: 365255

Date of first version: June 4, 2007 (This document replaces DocId 337973/3.0 dated 2006-11-21, created 2003-09-24).

Replaces version: June 4, 2007

Revised: Deleted one wrong material number.

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Document name WASHING SOLUTION MSDS Number 365255 Version 2.0

Issued by Anna-Tora Martin 2007-Nov-12 16:20 CET

Approved by Anna-Tora Martin 2007-Nov-12 16:20 CET
Valid by 2007-Nov-12 16:20 CET

Approved by Anna-Tora Martin 2007-Nov-12 16:20 CET
Doc.no. 365255 Ver. 2.0 Page 8 (8)

