according to GB/T 16483 and GB/T 17519

Capture enhancement reagent



Version 1.13	Revision Date: 2019/12/17		DS Number: 00000010878	Date of last issue: 2016/10/27 Date of first issue: 2015/09/22			
1. PRODUCT AND COMPANY IDENTIFICATION							
Product name		:	Capture enhance	ement reagent			
Substance name Chemical nature		:	Capture enhancement reagent 7037 Liquid				
Manufacturer or supplier's of Company		s deta		Biosystems, Inc.			
Address		:	3401 Masons Mil Huntingdon Valle 19006 USA				
Telephone		:	1 (800) 381-4929)			
Emergency telephone number		:	US : (303)-389- International: +1				
E-mail address Responsible/issuing person		:	Us-info@siliconb	iosystems.com			
Recommended use of the chemical and rest				ons on use			
Recommended use		:	Assay reagent				

2. HAZARDS IDENTIFICATION

Emergency Overview

• •			
Appearance	: liquid		
Colour	: clear		
Odour	: No data available		
Not a hazardous substance or mixture.			

GHS Classification

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Physical and chemical hazards

Not classified based on available information.

Health hazards

Not classified based on available information.

Environmental hazards

Not classified based on available information.

Other hazards which do not result in classification

None known.

Capture enhancement reagent



Version	Revision Date:	SDS Number:	Date of last issue: 2016/10/27
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

: Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
sodium azide	26628-22-8	>= 0.1 - < 0.25

4. FIRST AID MEASURES

If inhaled	: If breathed in, move person into fresh air. Consult a physician.
In case of skin contact	 Take off contaminated clothing and shoes immediately. Wash off with plenty of water. If symptoms persist, call a physician.
In case of eye contact	 Rinse immediately with plenty of water, also under the eyelids, for at least 5 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.
If swallowed	 If swallowed, rinse mouth with water (only if the person is con- scious). Call a physician immediately.
Most important symptoms and effects, both acute and delayed	: No information available.
Notes to physician	: Treat symptomatically.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment.
Specific hazards during fire- fighting	: No information available.
Specific extinguishing meth- ods	: No information available.
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec-	:	In the event of an accidental release the emergency response
tive equipment and emer-		team must respond based on a risk assessment and use per-

SAFETY DATA SHEET according to GB/T 16483 and GB/T 17519 Capture enhancement reagent



Version 1.13	Revision Date: 2019/12/17	SDS Number: 100000010878	Date of last issue: 2016/10/27 Date of first issue: 2015/09/22		
gency procedures		sonal protective equipment as appropriate.			
Environmental precautions		: Should not be released into the environment.			
Methods and materials for containment and cleaning up		Keep in properly Small spills: Ger pad. Large spills + Sr	n up. Soak up with inert absorbent material. labelled containers. htly cover the spill with an absorbent towel or nall spills: Keep in suitable, closed containers at recovered material as described in the sec- onsiderations".		

7. HANDLING AND STORAGE

Handling Advice on protection against fire and explosion	: No data available
Advice on safe handling	: To avoid thermal decomposition, do not overheat. Avoid inhalation, ingestion and contact with skin and eyes. Use personal protective equipment as required.
Avoidance of contact	: Oxidizing agents
Storage	
Conditions for safe storage	 To maintain product quality, do not store in heat or direct sunlight. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Keep locked up. Keep refrigerated.
Recommended storage tem- perature	: 2 - 8 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
sodium azide	26628-22-8	MAC	0.3 mg/m3	GBZ 2.1- 2007
		C (Vapour)	0.11 ppm (Hydrazoic acid)	ACGIH
		С	0.29 mg/m3 (Sodium azide)	ACGIH

SAFETY DATA SHEET according to GB/T 16483 and GB/T 17519

Capture enhancement reagent



Versio	on	Revision Date: 2019/12/17		0S Number: 0000010878	Date of last issue: 2016/10/27 Date of first issue: 2015/09/22
Engineering measures		:	All personal protective equipment should be based on a risk assessment. Consult a Environment Health Safety expert if necessary.		
F	Persor	al protective equipm	ent		
Respiratory protection		:	 Engineering controls should always be the primary method of controlling exposures. If respiratory protective equipment is needed for certain activities, the type as well as the corresponding protection factor will depend upon the risk assessment and air concentrations hazards, physical and warning properties of substances present. No personal respiratory protective equipment normally required. 		
E	Eye/fac	ce protection	:	No special precau	itions required.
Skin and body protection		:	No special precautions required.		
F	Hand p	rotection			
	Rem	arks	:	Disposable gloves	5
F	Protect	ive measures	:	the Environmenta	ctive equipment must be selected based on I Health and Safety risk assessment. Con- tal Health and Safety expert if necessary.
H	Hygien	e measures	:	Handle in accorda practice.	ance with good industrial hygiene and safety

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Colour	: clear
Odour	: No data available

10. STABILITY AND REACTIVITY

Reactivity	: None reasonably foreseeable.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reac- tions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: To avoid thermal decomposition, do not overheat.
Incompatible materials	: Oxidizing agents

according to GB/T 16483 and GB/T 17519

Capture enhancement reagent



rsion 3	Revision Date: 2019/12/17	SDS Number: 100000010878	Date of last issue: 2016/10/27 Date of first issue: 2015/09/22
Haza produ	rdous decomposition	: None known.	
. τοχις	OLOGICAL INFORMA	TION	
Acut	e toxicity		
Prod	uct:		
Acute	e oral toxicity	: Acute toxicity e Method: Calcul	stimate: > 5,000 mg/kg ation method
Com	ponents:		
	um azide: e oral toxicity	: LD50 (Rat): 27	mg/kg
	corrosion/irritation ata available		
	ous eye damage/eye ir ata available	ritation	
-	iratory or skin sensiti ata available	sation	
	n cell mutagenicity		
	ata available		
	i nogenicity ata available		
-	oductive toxicity ata available		
	Γ - single exposure		
	ata available		
STO	Г - repeated exposure		
	ata available		
Repe	ated dose toxicity		
-	ata available		
Aspi	ration toxicity		
	ata available		

Ecotoxicity

Components: sodium azide:

Toxicity to fish

: LC50 (Lepomis macrochirus (Bluegill sunfish)): 0.7 mg/l Exposure time: 96 h

according to GB/T 16483 and GB/T 17519

Capture enhancement reagent



Version 1.13	Revision Date: 2019/12/17	SDS Number: 100000010878	Date of last issue: 2016/10/27 Date of first issue: 2015/09/22	
	y to daphnia and other c invertebrates	: EC50 (Daphni Exposure time	a pulex (Water flea)): 4.2 mg/l : 96 h	
Toxicit	y to algae	: IC50: 272 mg/	I	
Toxicit	y to bacteria	: EC50 (Photob	acterium phosphoreum): 38.5 mg/l	
Persis	tence and degradabil	ity		
No dat	a available			
Bioaco	cumulative potential			
No dat	a available			
Mobili	ty in soil			
No dat	a available			
Other	adverse effects			
No dat	a available			

13. DISPOSAL CONSIDERATIONS

Disposal methods	
Waste from residues	 In accordance with National, Federal, State and Local regula- tions.
Contaminated packaging	: Empty containers should be taken to an approved waste han- dling site for recycling or disposal.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

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

Not applicable for product as supplied.

National Regulations

GB 6944/12268

Not regulated as a dangerous good

according to GB/T 16483 and GB/T 17519

Capture enhancement reagent



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15. REGULATORY INFORMATION

National regulatory information Restricted to professional users. Law on the Prevention and Control of Occupational Diseases

16. OTHER INFORMATION

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN -Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC -No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS -Workplace Hazardous Materials Information System

Date format	: yyyy/mm/dd
Numbers	123,456.78

Disclaimer

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.



Version 1.13 Revision Date: 2019/12/17

SDS Number: 100000010878

Date of last issue: 2016/10/27 Date of first issue: 2015/09/22

CN / EN



Vers 1.1	ion	Revision Date: 2019/12/17		DS Number: 0000013033	Date of last issue: 2016/11/15 Date of first issue: 2016/11/15
1. PI	1. PRODUCT AND COMPANY IDENTIFICATION				
	Substa	ince name	:	Staining Reagent	
	Chemi	cal nature	:	Liquid	
	Manufa	acturer or supplier's	deta	ails	
	Compa	any	:	Menarini Silicon	Biosystems, Inc.
	Addres	S	:	3401 Masons Mil Huntingdon Valle 19006 USA	
	Teleph	one	:	1 (800) 381-4929	
	Emerg numbe	ency telephone er	:	US : (303)-389-′ International: +1	
		address nsible/issuing person	:	Us-info@siliconbi	iosystems.com
	Recom	nmended use of the c	hen	nical and restriction	ons on use
	Recom	mended use	:	Assay reagent	

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	: liquid	
Colour	: purple	
Odour	: odourless	
Not a hazardous subst	ance or mixture.	

GHS Classification

Not a hazardous substance or mixture. Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture. Not a hazardous substance or mixture.

Physical and chemical hazards

Not classified based on available information.

Health hazards

Not classified based on available information.

Environmental hazards

Not classified based on available information.

Other hazards which do not result in classification

None known.



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3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
sodium azide	26628-22-8	>= 0.1 - < 1

4. FIRST AID MEASURES

If inhaled	: If breathed in, move person into fresh air. Consult a physician.
In case of skin contact	 Take off contaminated clothing and shoes immediately. Wash off with plenty of water. If symptoms persist, call a physician.
In case of eye contact	 Rinse immediately with plenty of water, also under the eyelids, for at least 5 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.
If swallowed	 If swallowed, rinse mouth with water (only if the person is con- scious). Call a physician immediately.
Most important symptoms and effects, both acute and delayed	: No information available.
Notes to physician	: Treat symptomatically.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment.
Specific hazards during fire- fighting	: No information available.
Hazardous combustion prod- ucts	: No hazardous combustion products are known
Specific extinguishing meth- ods	: No information available.
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES



Vers 1.1	sion	Revision Date: 2019/12/17		S Number: 0000013033	Date of last issue: 2016/11/15 Date of first issue: 2016/11/15
	tive eq	al precautions, protec- uipment and emer- procedures	:	team must respon	accidental release the emergency response ad based on a risk assessment and use per- quipment as appropriate.
	Enviror	nmental precautions	:	Should not be rele	eased into the environment.
		ds and materials for ment and cleaning up	:	Keep in properly I Small spills: Gent pad. Large spills + Sm	up. Soak up with inert absorbent material. abelled containers. ly cover the spill with an absorbent towel or all spills: Keep in suitable, closed containers t recovered material as described in the sec- usiderations".

7. HANDLING AND STORAGE

Handling Advice on protection against fire and explosion	: No data available
Advice on safe handling	: To avoid thermal decomposition, do not overheat. Avoid inhalation, ingestion and contact with skin and eyes. Use personal protective equipment as required.
Avoidance of contact	 Strong acids and strong bases Reducing agents Oxidizing agents
Storage	
Conditions for safe storage	 To maintain product quality, do not store in heat or direct sunlight. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Keep locked up. Keep refrigerated.
Recommended storage tem- perature	: 2 - 8 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
sodium azide	26628-22-8	MAC	0.3 mg/m3	GBZ 2.1- 2007
		C (Vapour)	0.11 ppm	ACGIH



Vers 1.1	sion	Revision Date: 2019/12/17		OS Number: 0000013033		t issue: 2016/11/15 t issue: 2016/11/15	
					С	(Hydrazoic acid) 0.29 mg/m3 (Sodium azide)	ACGIH
Engineering measures : All personal protective equipment should be assessment. Consult a Environment Healt necessary.							
	Perso	nal protective equipr	nent				
	Respir	atory protection	:	 Engineering controls should always be the primary method of controlling exposures. If respiratory protective equipment is needed for certain activities, the type as well as the corresponding protection factor will depend upon the risk assessment and air concentrations, hazards, physical and warning properties of substances present. No personal respiratory protective equipment normally required. 			ertain activ- ion factor centrations, ances pre-
	Eye/fa	ce protection	:	No special pre	ecautions require	ed.	
	Skin a	nd body protection	:	No special pre	ecautions require	ed.	
	Protec	tive measures	:	the Environme	ental Health and	ent must be selected Safety risk assessm nd Safety expert if ne	ent. Con-
	Hygier	ne measures	:	Handle in acc practice.	ordance with go	od industrial hygiene	and safety

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	purple
Odour	:	odourless
рН	:	7.5
Solubility(ies) Water solubility	:	soluble

10. STABILITY AND REACTIVITY

Reactivity	: None reasonably foreseeable.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reac- tions	: No dangerous reaction known under conditions of normal use.



Vers 1.1	sion	Revision Date: 2019/12/17		S Number: 0000013033	Date of last issue: 2016/11/15 Date of first issue: 2016/11/15			
	Conditio	ons to avoid	:	To avoid thermal	decomposition, do not overheat.			
	Incomp	atible materials	: Strong acids and strong bases Reducing agents Oxidizing agents					
	Hazard product	ous decomposition s	:	None known.				
11.	τοχιςο	LOGICAL INFORMA	ΓΙΟΝ	I				
	Acute t	oxicity						
	Produc	: <u>t:</u>						
	Acute o	ral toxicity	:	Acute toxicity estin Method: Calculation	mate: > 5,000 mg/kg on method			
				Acute toxicity estir Method: Calculation	mate: > 5,000 mg/kg on method			
	Compo							
	sodium Acute o	azide: aral toxicity	:	LD50 (Rat): 27 mg	g/kg			
		orrosion/irritation						
		s eye damage/eye irr a available	itatio	on				
	-	atory or skin sensitis a available	atio	n				
		e ll mutagenicity a available						
		ogenicity a available						
	-	luctive toxicity a available						
		single exposure a available						
		repeated exposure a available						
	-	ed dose toxicity a available						
		ion toxicity						
	No data	a available						



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12. ECOLOGICAL INFORMATION

Ecotoxicity

<u>Components:</u> sodium azide: Toxicity to fish	: LC50 (Lepomis macrochirus (Bluegill sunfish)): 0.7 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia pulex (Water flea)): 4.2 mg/l Exposure time: 96 h
Toxicity to algae	: IC50: 272 mg/l
Toxicity to bacteria	: EC50 (Photobacterium phosphoreum): 38.5 mg/l

Persistence and degradability

No data available

Bioaccumulative potential No data available Mobility in soil No data available Other adverse effects No data available

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues	:	In accordance with National, Federal, State and Local regula- tions.
Contaminated packaging	:	Empty containers should be taken to an approved waste han- dling site for recycling or disposal.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good IATA-DGR Not regulated as a dangerous good

IMDG-Code



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Not regulated as a dangerous good

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

Not applicable for product as supplied.

National Regulations

GB 6944/12268 Not regulated as a dangerous good

15. REGULATORY INFORMATION

National regulatory information Restricted to professional users. Law on the Prevention and Control of Occupational Diseases Law on the Prevention and Control of Occupational Diseases

16. OTHER INFORMATION

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN -Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response: ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC -No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on



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the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS -Workplace Hazardous Materials Information System Date format : yyyy/mm/dd Numbers 123,456.78

Disclaimer

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CN / EN



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1. PROD	UCT AND COMPANY II	DEN.	TIFICATION	
Proc	duct name	:	Nucleic acid dye	
Substance name Chemical nature		:	Nucleic acid dye 7041 Liquid	
Manufacturer or supplier's details				
Con	npany	:	Menarini Silicon	Biosystems, Inc.
Add	ress	:	3401 Masons Mil Huntingdon Valle 19006 USA	
Tele	phone	:	1 (800) 381-4929)
	ergency telephone nber	:	US : (303)-389- International: +1	1805 I (303)-389-1805
E-mail address Responsible/issuing person		:	Us-info@siliconb	iosystems.com
Rec	ommended use of the	chen	nical and restricti	ons on use
Rec	ommended use	:	Assay reagent	

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	: liquid
Colour	: clear, light yellow
Odour	: odourless
Not a hazardous subs	ance or mixture.

GHS Classification

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Physical and chemical hazards

Not classified based on available information.

Health hazards

Not classified based on available information.

Environmental hazards

Not classified based on available information.

Other hazards which do not result in classification

None known.



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3. COMF	POSITION/INFORMATIO		3
Sub	stance / Mixture	: Mixture	
	ardous components nazardous ingredients		
4. FIRST			
lf inl	haled	: If breathed in, r Consult a phys	nove person into fresh air. ician.
In ca	ase of skin contact	Wash off imme If symptoms pe	ninated clothing and shoes immediately. diately with plenty of water. rsist, call a physician. nated clothing before re-use.
In ca	ase of eye contact	for at least 5 m Remove contac	
lf sv	vallowed	: If swallowed, rin scious). Call a physiciar	nse mouth with water (only if the person is con-
	t important symptoms effects, both acute and yed	: No information	available.
Note	es to physician	: Treat symptom	atically.
5. FIREF	IGHTING MEASURES		
Suit	able extinguishing media		ng measures that are appropriate to local cir- d the surrounding environment.

Specific hazards during fire- fighting	: No information available.
Specific extinguishing meth- ods	: No information available.
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec-	:	In the event of an accidental release the emergency response
tive equipment and emer-		team must respond based on a risk assessment and use per-



Version 2.0	Revision Date: 2019/12/17	SDS Number: 100000010877	Date of last issue: 2016/10/27 Date of first issue: 2015/09/21
gency	procedures	sonal protective	equipment as appropriate.
Enviro	nmental precautions	: Should not be re	leased into the environment.
Methods and materials for containment and cleaning up		Keep in properly Small spills: Ger pad. Large spills + Sr	n up. Soak up with inert absorbent material. labelled containers. htly cover the spill with an absorbent towel or nall spills: Keep in suitable, closed containers at recovered material as described in the sec- onsiderations".

7. HANDLING AND STORAGE

Handling Advice on protection against fire and explosion	: No data available
Advice on safe handling	: To avoid thermal decomposition, do not overheat. Avoid inhalation, ingestion and contact with skin and eyes. Use personal protective equipment as required.
Avoidance of contact	: None known.
Storage	
Conditions for safe storage	 To maintain product quality, do not store in heat or direct sunlight. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Keep locked up. Keep refrigerated.
Recommended storage tem- perature	: 2 - 8 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures	: All personal protective equipment should be based on a risk
	assessment. Consult a Environment Health Safety expert if
	necessary.

Personal protective equipment

Respiratory protection	: Engineering controls should always be the primary method of
	controlling exposures.
	If respiratory protective equipment is needed for certain activ-



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		will depend u hazards, phys sent.	as well as the corresponding protection factor pon the risk assessment and air concentrations, sical and warning properties of substances pre- respiratory protective equipment normally re-
Eye/face protection		: No special pr	ecautions required.
Skin	and body protection	: No special pr	ecautions required.
Hand protection			
Re	emarks	: Disposable g	loves
Prote	ective measures	the Environm	rotective equipment must be selected based on ental Health and Safety risk assessment. Con- mental Health and Safety expert if necessary.
Hygie	ene measures	: Handle in acc practice.	cordance with good industrial hygiene and safety

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Colour	: clear, light yellow
Odour	: odourless
рН	: 7.5
Solubility(ies) Water solubility	: soluble

10. STABILITY AND REACTIVITY

Reactivity	: None reasonably foreseeable.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reac- tions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: To avoid thermal decomposition, do not overheat.
Incompatible materials	: None known.
Hazardous decomposition products	: None known.



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11. TOXICOLOGICAL INFORMATION

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

12. ECOLOGICAL INFORMATION

Ecotoxicity No data available Persistence and degradability No data available Bioaccumulative potential No data available Mobility in soil No data available Other adverse effects

No data available



Version 2.0	Revision Date: 2019/12/17	SDS Number: 100000010877	Date of last issue: 2016/10/27 Date of first issue: 2015/09/21
13. DISPC		ONS	
Dispo	osal methods		
Wast	e from residues	: In accordance tions.	with National, Federal, State and Local regula-
Contaminated packaging			ers should be taken to an approved waste han- cycling or disposal.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable for product as supplied.

National Regulations

GB 6944/12268 Not regulated as a dangerous good

15. REGULATORY INFORMATION

National regulatory information Restricted to professional users.

16. OTHER INFORMATION

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN -Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - Interna-



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tional Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC -No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS -Workplace Hazardous Materials Information System

Date format	: yyyy/mm/dd
Numbers	123,456.78

Disclaimer

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CN / EN



Version 1.12	Revision Date: 2019/12/17		DS Number: 00000010887	Date of last issue: 2016/10/27 Date of first issue: 2015/09/21			
1. PROD	1. PRODUCT AND COMPANY IDENTIFICATION						
Pro	duct name	:	Permeabilization	reagent			
Substance name Chemical nature		:	Permeabilization reagent 7038 Liquid				
Manufacturer or supplier's details							
Cor	npany	:	Menarini Silicon	Biosystems, Inc.			
Add	lress	:	3401 Masons Mil Huntingdon Valle 19006 USA				
Tele	ephone	:	1 (800) 381-4929)			
	ergency telephone nber	:	US : (303)-389- [,] International: +1				
E-mail address : Us-info@ Responsible/issuing person		Us-info@siliconb	iosystems.com				
Rec	commended use of the	chen	nical and restriction	ons on use			
Red	commended use	:	Assay reagent				

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance Colour Odour	: liquid : clear : odourless	
Not a hazardous subs	ance or mixture.	

GHS Classification

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Physical and chemical hazards

Not classified based on available information.

Health hazards

Not classified based on available information.

Environmental hazards

Not classified based on available information.

Other hazards which do not result in classification

None known.



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: Mixture

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
sodium azide	26628-22-8	>= 0.1 - < 0.25

4. FIRST AID MEASURES

If inhaled	: If breathed in, move person into fresh air. Consult a physician.
In case of skin contact	 Take off contaminated clothing and shoes immediately. Wash off with plenty of water. If symptoms persist, call a physician.
In case of eye contact	 Remove contact lenses. If eye irritation persists, consult a specialist. Rinse immediately with plenty of water, also under the eyelids, for at least 5 minutes.
If swallowed	 If swallowed, rinse mouth with water (only if the person is con- scious). Call a physician immediately.
Most important symptoms and effects, both acute and delayed	: No information available.
Notes to physician	: Treat symptomatically.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.	
Specific hazards during fire- fighting	: No information available.	
Specific extinguishing meth- ods	: No information available.	
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus.	

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec-	:	In the event of an accidental release the emergency response
tive equipment and emer-		team must respond based on a risk assessment and use per-

SAFETY DATA SHEET according to GB/T 16483 and GB/T 17519 Permeabilization reagent



Version 1.12	Revision Date: 2019/12/17	SDS Number: 100000010887	Date of last issue: 2016/10/27 Date of first issue: 2015/09/21	
gency procedures		sonal protective equipment as appropriate.		
Metho	nmental precautions ds and materials for nment and cleaning up	 Large spills: Dar Keep in properly Small spills: Ger pad. Large spills + Sr 	n up. Soak up with inert absorbent material. labelled containers. htly cover the spill with an absorbent towel or nall spills: Keep in suitable, closed containers at recovered material as described in the sec-	

7. HANDLING AND STORAGE

Handling Advice on protection against fire and explosion	: No data available
Advice on safe handling	: To avoid thermal decomposition, do not overheat. Avoid inhalation, ingestion and contact with skin and eyes. Use personal protective equipment as required.
Avoidance of contact	: Strong acids and strong bases Reducing agents Strong oxidizing agents
Storage	
Conditions for safe storage	 To maintain product quality, do not store in heat or direct sunlight. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Keep locked up. Keep refrigerated.
Recommended storage tem- perature	: 2 - 8 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
sodium azide	26628-22-8	MAC	0.3 mg/m3	GBZ 2.1- 2007
		C (Vapour)	0.11 ppm (Hydrazoic acid)	ACGIH
		С	0.29 mg/m3	ACGIH

SAFETY DATA SHEET according to GB/T 16483 and GB/T 17519

Permeabilization reagent



Ver 1.12	sion 2	Revision Date: 2019/12/17		0S Number: 0000010887	Date of last issue: 2016/10/27 Date of first issue: 2015/09/21
					(Sodium azide)
			tective equipment should be based on a risk onsult a Environment Health Safety expert if		
	Perso	nal protective equipm	ent		
	Respir	atory protection	:	controlling expo If respiratory pro ities, the type as will depend upo hazards, physic sent.	ntrols should always be the primary method of soures. Detective equipment is needed for certain activ- s well as the corresponding protection factor in the risk assessment and air concentrations, al and warning properties of substances pre- spiratory protective equipment normally re-
	Eye/fa	ce protection	:	No special prec	autions required.
	Skin a	nd body protection	:	No special prec	autions required.
	Hand p	protection			
	Rem	narks	:	Disposable glov	/es
	Protec	tive measures	:	the Environmen	ective equipment must be selected based on tal Health and Safety risk assessment. Con- ental Health and Safety expert if necessary.
	Hygier	ne measures	:	Handle in accor practice.	dance with good industrial hygiene and safety

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	clear
Odour	:	odourless
рН	:	7.5
Solubility(ies) Water solubility	:	soluble

10. STABILITY AND REACTIVITY

Reactivity	: None reasonably foreseeable.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reac-	: No dangerous reaction known under conditions of normal use.

according to GB/T 16483 and GB/T 17519

Permeabilization reagent



/ersion .12	Revision Date: 2019/12/17	SDS Number: 100000010887	Date of last issue: 2016/10/27 Date of first issue: 2015/09/21
tions			
Cond	itions to avoid	: To avoid therm	al decomposition, do not overheat.
Incon	npatible materials	: Strong acids ar Reducing agen Strong oxidizing	ts
Haza produ	rdous decomposition	: None known.	
1. TOXIC		TION	
Acute	e toxicity		
Prod	uct:		
Acute	e oral toxicity	: Acute toxicity es Method: Calcula	timate: > 5,000 mg/kg tion method
<u>Com</u>	ponents:		
	um azide: e oral toxicity	: LD50 (Rat): 27 r	ng/kg
	corrosion/irritation ata available		
	us eye damage/eye ir ata available	ritation	
-	iratory or skin sensiti ata available	sation	
	a cell mutagenicity ata available		
	i nogenicity ata available		
-	oductive toxicity ata available		
	r - single exposure ata available		
	- repeated exposure ata available		
-	ated dose toxicity ata available		
-	ration toxicity ata available		



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12. ECOL	OGICAL INFORMATION	N		
Ecot	oxicity			
sodiu	ponents: um azide: city to fish	:	LC50 (Lepomis Exposure time:	s macrochirus (Bluegill sunfish)): 0.7 mg/l 96 h
	city to daphnia and other tic invertebrates	:	EC50 (Daphnia Exposure time:	a pulex (Water flea)): 4.2 mg/l 96 h
Toxic	city to algae	:	IC50: 272 mg/l	
Toxic	sity to bacteria	:	EC50 (Photoba	acterium phosphoreum): 38.5 mg/l

Persistence	and	degradability
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No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

Disposal methods Waste from residues	 In accordance with National, Federal, State and Local regulations. 	<u>३</u> -
Contaminated packaging	: Empty containers should be taken to an approved waste har dling site for recycling or disposal.	า-

14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good



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

Not applicable for product as supplied.

National Regulations

GB 6944/12268 Not regulated as a dangerous good

15. REGULATORY INFORMATION

National regulatory information Restricted to professional users. Law on the Prevention and Control of Occupational Diseases

16. OTHER INFORMATION

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant: CPR - Controlled Products Regulations; DIN -Standard of the German Institute for Standardisation: DSL - Domestic Substances List (Canada): ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC -No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS -Workplace Hazardous Materials Information System Date format : yyyy/mm/dd

Numbers 123,456.78



Version	Revision Date:	SDS Number:	Date of last issue: 2016/10/27
1.12	2019/12/17	10000010887	Date of first issue: 2015/09/21

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Version 1.11	Revision Date: 2019/12/17		0S Number: 0000010880	Date of last issue: 2016/11/15 Date of first issue: 2015/09/21			
1. PROD		IDENT	IFICATION				
Product name		:	Anti-EpCAM ferrofluid				
	Substance name		Anti-EpCAM ferrofluid 7036				
Che	mical nature	:	Liquid				
Man	ufacturer or supplier's	s deta	ils				
Com	npany	:	: Menarini Silicon Biosystems, Inc.				
Add	ress	:	: 3401 Masons Mill Rd #100 Huntingdon Valley, PA 19006 USA				
Tele	phone	:	1 (800) 381-49	29			
	ergency telephone nber	:	US : (303)-38 International:	9-1805 +1 (303)-389-1805			
	ail address ponsible/issuing person	:	: Us-info@siliconbiosystems.com				
Rec	ommended use of the	chem	nical and restric	ctions on use			
Rec	ommended use	:	Assay reagent				

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance Colour Odour	: liquid : brown :	
Not a hazardous subs	tance or mixture.	

GHS Classification

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Physical and chemical hazards

Not classified based on available information.

Health hazards

Not classified based on available information.

Environmental hazards

Not classified based on available information.

Other hazards which do not result in classification

None known.



Version	Revision Date:	SDS Number:	Date of last issue: 2016/11/15
1.11	2019/12/17	10000010880	Date of first issue: 2015/09/21

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

: Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Anti-EpCAM mouse mAb conjugated to Ferroflu-	Not Assigned	< 0.1
id		

4. FIRST AID MEASURES

If inhaled	: If breathed in, move person into fresh air. Consult a physician.
In case of skin contact	 Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water. If symptoms persist, call a physician. Wash contaminated clothing before re-use.
In case of eye contact	 Rinse immediately with plenty of water, also under the eyelids, for at least 5 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.
If swallowed	 If swallowed, rinse mouth with water (only if the person is conscious). Call a physician immediately.
Most important symptoms and effects, both acute and delayed	: No information available.
Notes to physician	: Treat symptomatically.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment.
Specific hazards during fire- fighting	: No information available.
Specific extinguishing meth- ods	: No information available.
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES



Version 1.11	Revision Date: 2019/12/17	SDS Number: 100000010880	Date of last issue: 2016/11/15 Date of first issue: 2015/09/21
tive e	onal precautions, protec- quipment and emer- / procedures	team must resp	an accidental release the emergency response ond based on a risk assessment and use per- equipment as appropriate.
Envir	onmental precautions	: Should not be re	eleased into the environment.
Methods and materials for containment and cleaning up		Keep in properly Small spills: Ge pad. Large spills + S	m up. Soak up with inert absorbent material. y labelled containers. ntly cover the spill with an absorbent towel or mall spills: Keep in suitable, closed containers eat recovered material as described in the sec- onsiderations".

7. HANDLING AND STORAGE

Handling Advice on protection against fire and explosion	: No data available	
Advice on safe handling	: To avoid thermal decomposition, do not overheat. Avoid inhalation, ingestion and contact with skin and eyes. Use personal protective equipment as required.	
Avoidance of contact	: None known.	
Storage		
Conditions for safe storage	 To maintain product quality, do not store in heat or direct sun- light. Store in original container. Keep containers tightly closed in a dry, cool and well- ventilated place. Keep away from heat and sources of ignition. Keep locked up. Keep refrigerated. 	-
Recommended storage tem- perature	: 2 - 8 °C	

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Anti-EpCAM mouse mAb con- jugated to Ferrofluid	Not Assigned	PBOEL-HHC	2	J&J OEL/PBOEL HHC
			hazard banding nota ied by J&J as being F	



Ver 1.1	sion 1	Revision Date: 2019/12/17	-	9S Number: 0000010880	Date of last issue: 2016/11/15 Date of first issue: 2015/09/21
				This means that th	e OEL is estimated to be from 20 to 100 µg/m3
	Engin	eering measures	:		ctive equipment should be based on a risk sult a Environment Health Safety expert if
	Perso	nal protective equipm	nent		
	Respir	ratory protection	:	controlling expose If respiratory prote ities, the type as will depend upon hazards, physical sent.	ols should always be the primary method of ures. ective equipment is needed for certain activ- well as the corresponding protection factor the risk assessment and air concentrations, and warning properties of substances pre- tratory protective equipment normally re-
	Eye/fa	ce protection	:	No special precau	utions required.
	Skin a	nd body protection	:	No special precau	utions required.
	Hand	protection			
	Rer	narks	:	Disposable glove	5
	Protec	tive measures	:	the Environmenta	ctive equipment must be selected based on I Health and Safety risk assessment. Con- ntal Health and Safety expert if necessary.
	Hygier	ne measures	:	Handle in accorda practice.	ance with good industrial hygiene and safety

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	brown
рН	:	7.5
Solubility(ies) Water solubility	:	soluble

10. STABILITY AND REACTIVITY

Reactivity	: None reasonably foreseeable.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reac- tions	: No dangerous reaction known under conditions of normal use.



Version 1.11	Revision Date: 2019/12/17	SDS Number: 100000010880	Date of last issue: 2016/11/15 Date of first issue: 2015/09/21
Cond	ditions to avoid	: To avoid them	nal decomposition, do not overheat.
Inco	mpatible materials	: None known.	
Haza prod	ardous decomposition ucts	: None known.	
11. TOXI	COLOGICAL INFORM	TION	
	t e toxicity lata available		
	corrosion/irritation		
	ous eye damage/eye ir lata available	ritation	
-	piratory or skin sensit i lata available	sation	
	n cell mutagenicity lata available		
	:inogenicity lata available		
-	r oductive toxicity lata available		
	T - single exposure lata available		
	T - repeated exposure lata available		
-	eated dose toxicity lata available		
Aspi	iration toxicity lata available		

Ecotoxicity No data available Persistence and degradability No data available Bioaccumulative potential No data available Mobility in soil No data available



Version 1.11	Revision Date: 2019/12/17	SDS Number: 100000010880	Date of last issue: 2016/11/15 Date of first issue: 2015/09/21
Other	adverse effects		
No da	ta available		
13. DISPO		ONS	
Dispo	osal methods		
•	osal methods e from residues	: In accordance tions.	with National, Federal, State and Local regula-

14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

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

Not applicable for product as supplied.

National Regulations

GB 6944/12268 Not regulated as a dangerous good

15. REGULATORY INFORMATION

National regulatory information Restricted to professional users. Law on the Prevention and Control of Occupational Diseases

16. OTHER INFORMATION

Full text of other abbreviations

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Version	Revision Date:	SDS Number:	Date of last issue: 2016/11/15
1.11	2019/12/17	10000010880	Date of first issue: 2015/09/21

ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose): MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC -No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS -Workplace Hazardous Materials Information System

Date format	: yyyy/mm/dd
Numbers	123,456.78

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CN / EN



Version 1.12	Revision Date: 2019/12/17		DS Number: 00000010879	Date of last issue: 2016/10/27 Date of first issue: 2015/09/22
1. PROD	UCT AND COMPANY IE	DEN	TIFICATION	
Prod	duct name	:	Dilution buffer	
	stance name	:	Dilution buffer 7039	
Che	mical nature	:	Liquid	
Mar	nufacturer or supplier's	deta	ails	
Con	npany	:	Menarini Silicon	Biosystems, Inc.
Add	ress	:	3401 Masons Mil Huntingdon Valle 19006 USA	
Tele	ephone	:	1 (800) 381-4929)
	ergency telephone nber	:	US : (303)-389- International: +1	
	ail address ponsible/issuing person	:	Us-info@siliconb	iosystems.com
Rec	ommended use of the o	chen	nical and restriction	ons on use
Rec	commended use	:	Assay reagent	

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance Colour Odour	: liquid : clear : odourless	
Not a hazardous subs	ance or mixture.	

GHS Classification

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Physical and chemical hazards

Not classified based on available information.

Health hazards

Not classified based on available information.

Environmental hazards

Not classified based on available information.

Other hazards which do not result in classification

None known.



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3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
sodium azide	26628-22-8	>= 0.1 - < 0.25

4. FIRST AID MEASURES

If inhaled	: If breathed in, move person into fresh air. Consult a physician.
In case of skin contact	 Take off contaminated clothing and shoes immediately. Wash off with plenty of water. If symptoms persist, call a physician.
In case of eye contact	 Rinse immediately with plenty of water, also under the eyelids, for at least 5 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.
If swallowed	 If swallowed, rinse mouth with water (only if the person is con- scious). Call a physician immediately.
Most important symptoms and effects, both acute and delayed	: No information available.
Notes to physician	: Treat symptomatically.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.	
Specific hazards during fire- fighting	: No information available.	
Specific extinguishing meth- ods	: No information available.	
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus.	

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec-	:	In the event of an accidental release the emergency response
tive equipment and emer-		team must respond based on a risk assessment and use per-



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gency procedures		sonal protective	equipment as appropriate.		
Environmental precautions		: Should not be released into the environment.			
	nds and materials for nment and cleaning up	Keep in properly Small spills: Ger pad. Large spills + Sr	m up. Soak up with inert absorbent material. a labelled containers. htly cover the spill with an absorbent towel or mall spills: Keep in suitable, closed containers at recovered material as described in the sec- onsiderations".		

7. HANDLING AND STORAGE

Handling Advice on protection against fire and explosion	: No data available
Advice on safe handling	: To avoid thermal decomposition, do not overheat. Avoid inhalation, ingestion and contact with skin and eyes. Use personal protective equipment as required.
Avoidance of contact	: Oxidizing agents
Storage	
Conditions for safe storage	 To maintain product quality, do not store in heat or direct sunlight. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Keep locked up. Keep refrigerated.
Recommended storage tem- perature	: 2 - 8 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
sodium azide	26628-22-8	MAC	0.3 mg/m3	GBZ 2.1- 2007
		C (Vapour)	0.11 ppm (Hydrazoic acid)	ACGIH
		С	0.29 mg/m3 (Sodium azide)	ACGIH



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	Engine	eering measures	:		ctive equipment should be based on a risk sult a Environment Health Safety expert if	
	Persor	nal protective equipm	ent			
	Respira	atory protection	:	controlling exposu If respiratory prote ities, the type as w will depend upon hazards, physical sent.	ols should always be the primary method of ares. active equipment is needed for certain activ- vell as the corresponding protection factor the risk assessment and air concentrations, and warning properties of substances pre- ratory protective equipment normally re-	
	Eye/fac	ce protection	:	No special precau	itions required.	
	Skin ar	nd body protection	:	No special precau	itions required.	
	Hand p	rotection				
	Rem	arks	:	Disposable gloves	3	
	Protect	ive measures	:	: The type of protective equipment must be selected based on the Environmental Health and Safety risk assessment. Consult a Environmental Health and Safety expert if necessary.		
	Hygien	e measures	:	: Handle in accordance with good industrial hygiene and safet practice.		

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	clear
Odour	:	odourless
рН	:	7.5
Solubility(ies) Water solubility	:	soluble

10. STABILITY AND REACTIVITY

Reactivity	: None reasonably foreseeable.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reac- tions	: No dangerous reaction known under conditions of normal use.



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Cond	ditions to avoid	: To avoid thern	nal decomposition, do not overheat.	
Incor	mpatible materials	: Oxidizing age	nts	
Haza prod	ardous decomposition ucts	: None known.		
11. TOXIC	COLOGICAL INFORMA	TION		
Acut	e toxicity			
<u>Prod</u> Acute	l <u>uct:</u> e oral toxicity	: Acute toxicity e Method: Calcul	estimate: > 5,000 mg/kg lation method	
Com	ponents:			
	um azide: e oral toxicity	: LD50 (Rat): 27	mg/kg	
-	corrosion/irritation ata available			
	ous eye damage/eye ir ata available	ritation		
-	biratory or skin sensiti ata available	sation		
	n cell mutagenicity ata available			
	inogenicity ata available			
•	oductive toxicity ata available			
	T - single exposure ata available			
	T - repeated exposure ata available			
-	eated dose toxicity ata available			
-	ration toxicity ata available			



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12. EC	OLOGICAL INFORMATIO	N		
	cotoxicity omponents:			
	odium azide: oxicity to fish	: LC50 (Lepom Exposure tim	iis macrochirus (Bluegill sunfish)): 0.7 mg/l e: 96 h	
	oxicity to daphnia and other quatic invertebrates			
То	oxicity to algae	: IC50: 272 mg	/I	
То	oxicity to bacteria	: EC50 (Photol	pacterium phosphoreum): 38.5 mg/l	
_	.,			

Persistence and	l degradability
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No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

Disposal methods		
Waste from residues	accordance with National, Federal, ns.	State and Local regula-
Contaminated packaging	npty containers should be taken to a ng site for recycling or disposal.	n approved waste han-

14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good



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

Not applicable for product as supplied.

National Regulations

GB 6944/12268 Not regulated as a dangerous good

15. REGULATORY INFORMATION

National regulatory information Restricted to professional users. Law on the Prevention and Control of Occupational Diseases

16. OTHER INFORMATION

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN -Standard of the German Institute for Standardisation: DSL - Domestic Substances List (Canada): ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC -No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS -Workplace Hazardous Materials Information System Date format : yyyy/mm/dd

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1. PROD	OUCT AND COMPANY I	DEN.	TIFICATION	
Pro	duct name	:	Cell fixative	
Sub	stance name	:	Cell fixative 7042	
Che	emical nature	:	Liquid	
Mar	nufacturer or supplier's	deta	ails	
Cor	npany	:	Menarini Silicon	n Biosystems, Inc.
Add	lress	:	3401 Masons Mi Huntingdon Valle 19006 USA	
Tele	ephone	:	1 (800) 381-4929	9
	ergency telephone nber	:	US : (303)-389- International: +*	1805 1 (303)-389-1805
	nail address sponsible/issuing person	: Us-info@siliconbiosystems.com n		
Rec	commended use of the	cher	nical and restricti	ions on use
Rec	commended use	:	Assay reagent	

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	: liquid
Colour	: clear
Odour	: odourless
May cause an allergic skin rea	action.
GHS Classification	
Skin sensitisation	: Category 1
GHS label elements	
Hazard pictograms	
Signal word	: Warning
Hazard statements	: H317 May cause an allergic skin reaction.
Precautionary statements	: Prevention: P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.



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		the workplace P280 Wear pr Response: P302 + P352 P333 + P313 vice/ attention P362 + P364 reuse. Disposal:	rotective gloves. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical ad- Take off contaminated clothing and wash it before e of contents/ container to an approved waste
Not c	i cal and chemical ha lassified based on ava		
i ican			

May cause an allergic skin reaction.

Environmental hazards

Not classified based on available information.

Other hazards which do not result in classification

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
IMIDUREA	39236-46-9	>= 1 - < 10
Sodium chloride (NaCl)	7647-14-5	>= 1 - < 10
sodium azide	26628-22-8	>= 0.1 - < 1

4. FIRST AID MEASURES

If inhaled	: If breathed in, move person into fresh air. Consult a physician.
In case of skin contact	 Take off contaminated clothing and shoes immediately. Wash off with plenty of water. If symptoms persist, call a physician.
In case of eye contact	 Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.
If swallowed	 If swallowed, rinse mouth with water (only if the person is con- scious). Call a physician immediately.



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Most important symptoms and effects, both acute and delayed		: No information available.				
Notes to physician		:	: Treat symptomatically.			
5. FIREFIGHTING MEASURES						
Suitable extinguishing media		: Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment.				
Specific hazards during fire- : No informatic fighting		No information av	ailable.			
	Hazaro ucts	dous combustion prod-	d- : No hazardous combustion products are known		mbustion products are known	
	Specifi ods	c extinguishing meth-	:	No information av	ailable.	
	Special protective equipment : In the event of fire, wear self-contained breathing appara for firefighters		e, wear self-contained breathing apparatus.			

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	te	n the event of an accidental release the emergency response eam must respond based on a risk assessment and use per- conal protective equipment as appropriate.
Environmental precautions	: 8	Should not be released into the environment.
Methods and materials for containment and cleaning up	۲ ۲ ۲	Large spills: Dam up. Soak up with inert absorbent material. Keep in properly labelled containers. Small spills: Gently cover the spill with an absorbent towel or bad. Large spills + Small spills: Keep in suitable, closed containers or disposal. Treat recovered material as described in the sec- ion "Disposal considerations".

7. HANDLING AND STORAGE

Handling	
Advice on protection against fire and explosion	: No data available
Advice on safe handling	 To avoid thermal decomposition, do not overheat. Avoid inhalation, ingestion and contact with skin and eyes. Use personal protective equipment as required.



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Avoidance of contact		: Strong acids and strong bases Reducing agents Oxidizing agents			
Stor	age				
Conditions for safe storage		light. Store in original Keep containers ventilated place.	tightly closed in a dry, cool and well- heat and sources of ignition.		
Rec pera	ommended storage tem- ture	orage tem- : 2 - 8 °C			

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

	•			
Components	CAS-No.	Value type	Control parame-	Basis
		(Form of	ters / Permissible	
		exposure)	concentration	
sodium azide	26628-22-8	MAC	0.3 mg/m3	GBZ 2.1-
				2007
		C (Vapour)	0.11 ppm	ACGIH
			(Hydrazoic acid)	
		С	0.29 mg/m3	ACGIH
			(Sodium azide)	

Components with workplace control parameters

Engineering measures : All personal protective equipment should be based on a risk assessment. Consult a Environment Health Safety expert if necessary.

Personal protective equipment

Respiratory protection		Engineering controls should always be the primary method of controlling exposures. If respiratory protective equipment is needed for certain activ- ities, the type as well as the corresponding protection factor will depend upon the risk assessment and air concentrations, hazards, physical and warning properties of substances pre- sent. No personal respiratory protective equipment normally re- quired.
Eye/face protection	:	No special precautions required.
Skin and body protection	:	No special precautions required.
Hand protection		



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Remarks		: Disposable gloves			
Protective measures		the Environmen	ective equipment must be selected based on tal Health and Safety risk assessment. Con- ental Health and Safety expert if necessary.		
Hygiene measures		: Handle in accor practice.	dance with good industrial hygiene and safety		

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	clear
Odour	:	odourless
рН	:	7.5
Solubility(ies) Water solubility	:	soluble

10. STABILITY AND REACTIVITY

Reactivity	: None reasonably foreseeable.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reac- tions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: To avoid thermal decomposition, do not overheat.
Incompatible materials	: Strong acids and strong bases Reducing agents Oxidizing agents
Hazardous decomposition products	: None known.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	
<u>Product:</u> Acute oral toxicity	: Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Components: IMIDUREA: Acute oral toxicity	: LD50 (Rat): 11,300 mg/kg



ersion 13	Revision Date: 2019/12/17	SDS Number: 100000010702	Date of last issue: 2016/11/15 Date of first issue: 2015/09/22
Acute	inhalation toxicity	: LC50 (Rat): > 5 Exposure time:	
Acute	e dermal toxicity	: LD50 (Rabbit): > 5,000 mg/kg	
	um chloride (NaCl): e oral toxicity	: LD50 Oral (Rat Assessment: Th ingestion.): 3,000 mg/kg ne component/mixture is low toxic after single
Acute	inhalation toxicity	: Remarks: No da	ata available
Acute	e dermal toxicity	: Remarks: No da	ata available
	Im azide: e oral toxicity	: LD50 (Rat): 27	mg/kg
Skin (corrosion/irritation		
Rema Serio <u>Com</u> t	um chloride (NaCl): arks: No data available ous eye damage/eye in ponents:	ritation	
-	JREA: It: No eye irritation		
	u m chloride (NaCl): arks: No data available		
Resp	iratory or skin sensit	sation	
IMIDU Metho	<mark>ponents:</mark> JREA: od: Maximisation Test lt: May cause sensitisa	tion by skin contact.	
	od: Local Lymph Node lt: May cause sensitisa		
	u m chloride (NaCl): arks: No data available		
Germ	cell mutagenicity		
	oonents:		

IMIDUREA:



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Genotoxicity in vitro	 Test Type: Ames test Metabolic activation: with and without metabolic activation Result: negative GLP: yes Test Type: Chromosome aberration test in vitro Metabolic activation: with and without metabolic activation Result: negative
Genotoxicity in vivo	: Test Type: Micronucleus test Species: Mouse Application Route: Oral Result: negative
Germ cell mutagenicity - Assessment	: No information available.
Sodium chloride (NaCl): Germ cell mutagenicity - Assessment	: No information available.
Carcinogenicity	
<u>Components:</u> IMIDUREA: Carcinogenicity - Assessment	: No information available.
Sodium chloride (NaCl): Carcinogenicity - Assessment	: No information available.
Reproductive toxicity	
Components:	
IMIDUREA: Teratogenicity - Assessme	ent : No information available.
Sodium chloride (NaCl): Reproductive toxicity - Assessment	: No information available.
Teratogenicity - Assessm	ent : No information available.
STOT - single exposure <u>Components:</u> Sodium chloride (NaCl): Remarks: No data availab	le
STOT - repeated exposu	re

No data available



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Rep	peated dose toxicity		
<u>Co</u>	mponents:		
	DUREA:		
	ecies: Rat AEL: 200 mg/kg		
	AEL: 500 mg/kg		
Арр	blication Route: Oral		
Spe	ecies: Rabbit		
	AEL: 200 mg/kg		
Abb	blication Route: Dermal		
Asp	piration toxicity		
No	data available		
12. ECO	LOGICAL INFORMATION	1	
Eco	otoxicity		
<u>Co</u>	mponents:		
	DUREA:		
Тох	cicity to fish	: Remarks: No d	ata available
Soc	dium chloride (NaCl):		
	cicity to fish	: LC50 (Fish): 6,750 mg/l	
		Exposure time:	96 h
			(water flea)): 2,024 mg/l
		Exposure time:	48 h
soc	lium azide:		
Тох	cicity to fish	: LC50 (Lepomis Exposure time:	macrochirus (Bluegill sunfish)): 0.7 mg/l 96 h
	cicity to daphnia and other		pulex (Water flea)): 4.2 mg/l
	atic invertebrates	Exposure time:	96 11
Тох	cicity to algae	: IC50: 272 mg/l	
Тох	cicity to bacteria	: EC50 (Photoba	cterium phosphoreum): 38.5 mg/l
Per	sistence and degradabili	ity	
	mponents:		
	DUREA:		
BIO	degradability	: Remarks: No da	ata avaiiadie
	dium chloride (NaCl):	_	
Bio	degradability	: Remarks: No da	ata available



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Bioa	ccumulative potential			
	ponents:			
	UREA: ccumulation	: Remarks: No	data available	
	ium chloride (NaCl): ccumulation	: Remarks: No	data available	
Mob	ility in soil			
IMID Distr envi Sod	uponents: UREA: ibution among ronmental compartments ium chloride (NaCl):			
Mob		: Remarks: No	data available	
Othe	er adverse effects			
	iponents: UREA:			
Res	ults of PBT and vPvB	: No informatior	available.	
infor	tional ecological mation	: No data availa	ble	
Envi	i um chloride (NaCl): ronmental fate and ways	: No data availa	ble	
Res	ults of PBT and vPvB	: No informatior	available.	
	tional ecological mation	: No data availa	ble	

13. DISPOSAL CONSIDERATIONS

Disposal methods Waste from residues	accordance with National is.	, Federal, State and Local regula-
Contaminated packaging	pty containers should be g site for recycling or dis	taken to an approved waste han- posal.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG Not regulated as a dangerous good IATA-DGR



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Not regulated as a dangerous good **IMDG-Code**

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable for product as supplied.

National Regulations

GB 6944/12268 Not regulated as a dangerous good

15. REGULATORY INFORMATION

National regulatory information Restricted to professional users. Law on the Prevention and Control of Occupational Diseases

16. OTHER INFORMATION

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN -Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan): ISO - International Organisation for Standardization: KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC -No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on



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		•		

the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS -Workplace Hazardous Materials Information System Date format : yyyy/mm/dd

Numbers

yyyy/mm/dd 123,456.78

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