

Versior 1.46	Revision Date: 2018/01/09		DS Number: 0000010878	Date of last issue: 2017/08/04 Date of first issue: 2015/02/04		
SECTIO	SECTION 1. IDENTIFICATION					
	Product name Substance name		Capture enhancement reagent Capture enhancement reagent 7037			
Ма	anufacturer or supplier's	deta	ails			
Co	Company name of supplier		Menarini Silicon Biosystems, Inc			
Ac	dress	:	3401 Masons Mil Huntingdon Valle USA			
E-	lephone mail address Responsi- /issuing person	:	1 (800) 381-4929 Us-info@siliconb			
	nergency telephone mber	:	US:(303) 389-180 International: +1			
Re	commended use of the	chen	nical and restriction	ons on use		
Recommended use		:	Assay reagent			

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : Liquid

Hazardous components

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

SECTION 4. FIRST AID MEASURES

If inhaled

: If breathed in, move person into fresh air. Consult a physician.



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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, rins scious). Call a physician	se mouth with water (only if the person is con- immediately.	
	nportant symptoms fects, both acute and d	: No information available.		
Notes	to physician	: Treat symptomatically.		

SECTION 5. FIREFIGHTING MEASURES

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

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	: In the event of an accidental release the emergency response team must respond based on a risk assessment and use per- sonal protective equipment as appropriate.
Environmental precautions	: Should not be released into the environment.
Methods and materials for containment and cleaning up	 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 pad. Large spills + Small spills: Keep in suitable, closed containers for disposal. Treat recovered material as described in the sec- tion "Disposal considerations".

SECTION 7. HANDLING AND STORAGE

Advice on protection against	:	No data available
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fire ar	nd explosion		
Advic	e on safe handling	Avoid inhalation,	decomposition, do not overheat. ingestion and contact with skin and eyes. otective equipment as required.
Conditions for safe storage		light. Store in original o Keep containers ventilated place.	tightly closed in a dry, cool and well- heat and sources of ignition.
Recor peratu	mmended storage tem- ure	: 2 - 8 °C	

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
sodium azide	26628-22-8	C	0.1 ppm (HN3)	NIOSH REL
		C (Vapour)	0.11 ppm (Hydrazoic acid)	ACGIH
		С	0.1 ppm (Ammonia)	OSHA P0
		С	0.29 mg/m3 (Sodium azide)	ACGIH
		С	0.3 mg/m3 (Sodium azide)	NIOSH REL
		С	0.3 mg/m3 (Sodium azide)	OSHA P0
		С	0.1 ppm 0.3 mg/m3	CAL PEL

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 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 re-



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		quired.			
Hand	protection				
Re	marks	: Disposable g	loves		
Eye p	protection	: No special pr	recautions required.		
Skin a	and body protection	: No special p	recautions required.		
Prote	ctive measures	the Environm	rotective equipment must be selected based on nental Health and Safety risk assessment. Con- nmental Health and Safety expert if necessary.		
Hygie	ene measures	: Handle in ac practice.	: Handle in accordance with good industrial hygiene and safety practice.		
SECTION	9. PHYSICAL AND CH		RTIES		
Appea	arance	: liquid			
Colou	ır	: clear	: clear		
Odou	r	: No data ava	ilable		
SECTION	10. STABILITY AND RI	EACTIVITY			
Reac	tivity	: None reaso	nably foreseeable.		
Cherr	Chemical stability : Stal		r recommended storage conditions.		
Possi tions	bility of hazardous reac-	: No dangero	us reaction known under conditions of normal use.		
Cond	itions to avoid	: To avoid the	ermal decomposition, do not overheat.		
Incom	npatible materials	: Oxidizing ag	ents		
Hazardous decomposition : None known. products).			

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:	
Acute oral toxicity	: Acute toxicity estimate: > 5,000 mg/kg
	Method: Calculation method

Components:



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	u m azide e oral toxicity	: LD50 (Rat): 27	mg/kg	
-	corrosion/irritation ata available			
	ous eye damage/eye in ata available	ritation		
-	iratory or skin sensiti s ata available	sation		
	a cell mutagenicity ata available			
Carci	nogenicity			
IARC		No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.		
OSH	Α	No component of this product present at levels greater than equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.		
		equal to 0.1% is id	this product present at levels greater than or dentified as a known or anticipated carcinogen	
•	oductive toxicity ata available			
	r - single exposure ata available			
	- repeated exposure ata available			
•	ated dose toxicity ata available			
-	r ation toxicity ata available			

SECTION 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	: EC50 (Daphnia pulex (Water flea)): 4.2 mg/l



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aquati	c invertebrates	Exposure time	: 96 h
Toxici	ty to algae	: IC50: 272 mg/	
Toxici	ty to bacteria	: EC50 (Photob	acterium phosphoreum): 38.5 mg/l
No da Bioac No da Mobil No da Other <u>Produ</u>			
Ozone	e-Depletion Potential	Protection of S Substances Remarks: This manufactured	CFR Protection of Environment; Part 82 stratospheric Ozone - CAA Section 602 Class I product neither contains, nor was with a Class I or Class II ODS as defined by the Act Section 602 (40 CFR 82, Subpt. A, App.A +

SECTION 13. DISPOSAL CONSIDERATIONS

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

SECTION 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

49 CFR

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

DINATRIUMMONOHYD 7558-79-4 0.122 % ROGEENFOSFAAT

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

DINATRIUMMONOHYD 7558-79-4 0.122 % ROGEENFOSFAAT

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

Massachusetts Right To Know				
	sodium azide		26628-22-8	0.1 - 1 %
Pennsylvania	Right To Know			
	water		7732-18-5	90 - 100 %
	DINATRIUMMO	NOHYDROGEENFOSFAAT	7558-79-4	0.1 - 1 %
	sodium azide		26628-22-8	0.1 - 1 %
New Jersey Right To Know				
	water		7732-18-5	90 - 100 %
California Proj	o 65	This product does not conta of California to cause cance productive harm.	•	
Other regulation	ons :	Restricted to professional us	sers.	



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SECTION 16. OTHER INFORMATION

Further information



HMIS III:



0 = not significant, 1 =Slight, 2 = Moderate, 3 = High 4 = Extreme, * = Chronic

Revision Date

Date and Number Formats

This document uses the following notation for printing dates and numbers:				
Date:	Dec 31th, 2012	as	2012/12/31	
Numbers:	123456,78	as	123,456.78	

: 2018/01/09

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.

US / EN



SECTION 1. IDENTIFICATION

Substance name	:	Staining Reagent
Manufacturer or supplier's	iils Menarini Silicon Biosystems, Inc	
Company name of supplier	·	Menanni Silcon Biosystems, inc
Address	:	3401 Masons Mill Rd #100 Huntingdon Valley, PA 19006 USA
Telephone	:	1 (800) 381-4929
E-mail address Responsi- ble/issuing person	:	Us-info@siliconbiosystems.com
Emergency telephone number	:	US: (303) 389-1805 International: +1 (303) 389-1805
Recommended use of the chemical and restrictions on use		

Recommended use : Assay reagent

SECTION 2. HAZARDS IDENTIFICATION

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.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : Liquid

Hazardous components

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

SECTION 4. FIRST AID MEASURES

If inhaled

: If breathed in, move person into fresh air.



Stainin	g Reagent				
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		Consult a phys	ician.		
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		scious).	: If swallowed, rinse mouth with water (only if the person is con- scious). Call a physician immediately.		
Most important symptoms : No information available. and effects, both acute and delayed		available.			
Notes to physician		: Treat symptom	: Treat symptomatically.		

SECTION 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
Further information	: No information available.
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	: In the event of an accidental release the emergency response team must respond based on a risk assessment and use per- sonal protective equipment as appropriate.
Environmental precautions	: Should not be released into the environment.
Methods and materials for containment and cleaning up	 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 pad. Large spills + Small spills: Keep in suitable, closed containers for disposal. Treat recovered material as described in the sec- tion "Disposal considerations".



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SECTION 7. HANDLING AND STORAGE

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.
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

SECTION 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	C	0.1 ppm (HN3)	NIOSH REL
		C (Vapour)	0.11 ppm (Hydrazoic acid)	ACGIH
		С	0.1 ppm (Ammonia)	OSHA P0
		С	0.29 mg/m3 (Sodium azide)	ACGIH
		С	0.3 mg/m3 (Sodium azide)	NIOSH REL
		С	0.3 mg/m3 (Sodium azide)	OSHA P0
		С	0.1 ppm 0.3 mg/m3	CAL PEL

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.



Stainin	g Reagent		
Stamm	y neayent		
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		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 p	rotection	: No special pre	cautions required.
Skin a	and body protection	: No special pre	ecautions required.
the Environmental Health and Safety risk a		otective equipment must be selected based on ental Health and Safety risk assessment. Con- mental Health and Safety expert if necessary.	
Hygie	ne measures	: Handle in accord practice.	ordance with good industrial hygiene and safety

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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

SECTION 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.



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SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product: Acute oral toxicity	: Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
<u>Components:</u> sodium azide Acute oral toxicity	: LD50 (Rat): 27 mg/kg
Skin corrosion/irritation No data available	
Serious eye damage/eye irri No data available	itation
Respiratory or skin sensitis No data available	ation
Germ cell mutagenicity No data available	
Carcinogenicity	
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.



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•	oductive toxicity			
No da	ata available			
STO	Γ - single exposure			
No da	ata available			
STO	F - repeated exposur	e		
No da	ata available			
Repe	ated dose toxicity			
No da	ata available			
Aspii	ration toxicity			
No dr	ata available			

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity		
<u>Components:</u>		

<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

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

Product:

Protection of Str Substances Remarks: This p manufactured w	CFR Protection of Environment; Part 82 atospheric Ozone - CAA Section 602 Class I product neither contains, nor was ith a Class I or Class II ODS as defined by the act Section 602 (40 CFR 82, Subpt. A, App.A +
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Regulation: 40 CFR Protection of Environment; Part 82



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		Substances Remarks: This manufactured	Stratospheric Ozone - CAA Section 602 Class I product neither contains, nor was with a Class I or Class II ODS as defined by the Act Section 602 (40 CFR 82, Subpt. A, App.A +

SECTION 13. DISPOSAL CONSIDERATIONS

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

SECTION 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

49 CFR

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B). This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B). This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).



0.115 %

Staining Reagent

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This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

DINATRIUMMONOHYD 7558-79-4 ROGEENFOSFAAT

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

DINATRIUMMONOHYD 7558-79-4 0.115 % ROGEENFOSFAAT

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A: DINATRIUMMONOHYD 7558-79-4 0.12 %

DINATRIUMMONOHYD 7558-79-4 ROGEENFOSFAAT

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

DINATRIUMMONOHYD 7558-79-4 0.12 % ROGEENFOSFAAT

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

Massachusetts Right To Know

	sodium azide	26628-22-8	0.1 - 1 %
	sodium azide	26628-22-8	0.1 - 1 %
Pennsylvania F	Right To Know		
	water	7732-18-5	90 - 100 %
	DINATRIUMMONOHYDROGEENFOSFAAT	7558-79-4	0.1 - 1 %
	sodium azide	26628-22-8	0.1 - 1 %
	water	7732-18-5	90 - 100 %
	DINATRIUMMONOHYDROGEENFOSFAAT	7558-79-4	0.1 - 1 %
	sodium azide	26628-22-8	0.1 – 1 %
New Jersey Rig	ght To Know		
	water	7732-18-5	90 - 100 %
	water	7732-18-5	90 - 100 %
New Jersey Rig	water		



of California to cause cancer, birth defects, or any other re-

Staining Reagent Version Revision Date: 1.2 2018/01/09 SDS Number: Date of last issue: 2017/08/07 100000013033 Date of first issue: 2016/11/15 California Prop 65 This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm. This product does not contain any chemicals known to State

Other regulations : Restricted to professional users.

productive harm.

SECTION 16. OTHER INFORMATION



Date and Number Formats

This document uses the following notation for printing dates and numbers:

Date:	Dec 31th, 2012	as	2012/12/31
Numbers:	123456,78	as	123,456.78

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.

US / EN

Nucleic acid dye



Version 1.29	Revision Date: 2017/12/22		DS Number: 0000010877	Date of last issue: 2017/08/03 Date of first issue: 2015/02/04
SECTIO	ON 1. IDENTIFICATION			
	oduct name bstance name		Nucleic acid dye Nucleic acid dye 7041	
Ма	nufacturer or supplier's	s deta	ails	
Co	mpany name of supplier	ŝ	Menarini Silicon I	Biosystems, Inc
Ad	dress	ŝ	3401 Masons Mil Huntingdon Valle USA	
Те	ephone	8	1 (800) 381-4929	
	nail address Responsi- /issuing person	;	Us-info@siliconb	iosystems.com
	nergency telephone mber	:	US: (303) 389-18 International: +1	
Re	Recommended use of the chemical and restrictions on use			

Recommended use : Assay reagent

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
Not a hazardous substance or mixture.
GHS label elements
Not a hazardous substance or mixture.
Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	¥	Mixture

Chemical nature

: Liquid

Hazardous components

No hazardous ingredients

SECTION 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.



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		lf symptoms p	ediately with plenty of water. ersist, call a physician. nated clothing before re-use.
In cas	e of eye contact	for at least 5 n Remove conta	
lf swa	llowed	scious).	inse mouth with water (only if the person is con- an immediately.
	mportant symptoms fects, both acute and ed	: No information	n available.
Notes	to physician	: Treat sympton	natically.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	Use extinguishing measures that are appropria cumstances and the surrounding environment.	
Specific hazards during fire- fighting	No information available.	
Further information	No information available.	
Special protective equipment for firefighters	In the event of fire, wear self-contained breathi	ng apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	In the event of an accidental release the emergency resport team must respond based on a risk assessment and use p sonal protective equipment as appropriate.	
Environmental precautions	Should not be released into the environment.	
Methods and materials for containment and cleaning up	Large spills: Dam up. Soak up with inert absorbent materia Keep in properly labelled containers. Small spills: Gently cover the spill with an absorbent towel pad. Large spills + Small spills: Keep in suitable, closed contain for disposal. Treat recovered material as described in the s tion "Disposal considerations".	or ners

SECTION 7. HANDLING AND STORAGE

Advice on protection against	:	No data available
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fire	e and	explosion			
Ad	dvice o	on safe handling	:	Avoid inhalation,	decomposition, do not overheat. Ingestion and contact with skin and eyes. rective equipment as required.
Conditions for safe storage		:	light. Store in original of Keep containers to ventilated place.	ightly closed in a dry, cool and well- neat and sources of ignition.	
	ecomn erature	nended storage tem-	:	2 - 8 °C	

SECTION 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 base ssessment. Consult a Environment Health Safe ecessary.							
Personal protective equipm								
Respiratory protection	Engineering controls should always be the prima ontrolling exposures. Frespiratory protective equipment is needed for ies, the type as well as the corresponding prote /ill depend upon the risk assessment and air con azards, physical and warning properties of subs ent. Io personal respiratory protective equipment no uired.	certain activ- ction factor ncentrations, stances pre-						
Hand protection								
Remarks	Disposable gloves							
Eye protection	lo special precautions required.							
Skin and body protection	lo special precautions required.							
Protective measures	The type of protective equipment must be selected ne Environmental Health and Safety risk assess ult a Environmental Health and Safety expert if	ment. Con-						
Hygiene measures	landle in accordance with good industrial hygien ractice.	ne and safety						



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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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

SECTION 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.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method			
Acute dermal toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method			
Skin corrosion/irritation					
No data available					
Serious eye damage/eye irri	itati	on			
No data available					
Respiratory or skin sensitisation					
No data available					



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No d	n cell mutagenicity ata available inogenicity					
IARO		equal to 0.1% is ide	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.			
OSH	IA		is product present at levels greater than or entified as a carcinogen or potential A.			
NTP			is product present at levels greater than or entified as a known or anticipated carcinogen			
-	roductive toxicity ata available					
	T - single exposure ata available					
	T - repeated exposure ata available					
-	e ated dose toxicity ata available					
-	ration toxicity ata available					

SECTION 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	
Product:	
Ozone-Depletion Potential	: Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A +



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		В).		

SECTION 13. DISPOSAL CONSIDERATIONS

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

SECTION 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

49 CFR Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.



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Section	n 311, Table 117.3.			icals listed under the U.S. Cleated under the U.S. Cleated under the U.S. Clean Wate		
Massa	chusetts Right To Kn	ow				
			No components a Know Act.	re subject to the Massachuset	ts Right to	
Penns	Pennsylvania Right To Know					
	water			7732-18-5	90 - 100 %	
New Jo	ersey Right To Know					
	water			7732-18-5	90 - 100 %	
Califor	nia Prop 65			not contain any chemicals kr use cancer, birth defects, or a		
Other	regulations	:	Restricted to profe	essional users.		

SECTION 16. OTHER INFORMATION

Further information NFPA: HMI Flammability Instability Flammability

Special hazard.

HMIS III:



0 = not significant, 1 =Slight, 2 = Moderate, 3 = High 4 = Extreme, * = Chronic

Revision Date

: 2016/11/22

Date and Number Formats

This document uses the following notation for printing dates and numbers:					
Date:	Dec 31th, 2012	as	2012/12/31		
Numbers:	123456,78	as	123,456.78		



Version	Revision Date:	SDS Number:	Date of last issue: 2017/08/03
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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.

US / EN



Version	Revision Date:	SDS Number:	Date of last issue: 2017-08-03
1.39	2018-01-09	10000010887	Date of first issue: 2015-02-04

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

1.1 Product identifier	
Trade name Substance name	 Permeabilization reagent Permeabilization reagent 7038

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

Use of the Sub-	: Assay reagent
stance/Mixture	

1.3 Details of the supplier of the safety data sheet

Company	:	Menarini Silicon Biosystems, Inc 3401 Masons Mill Rd #100 Huntingdon Valley, PA 19006 USA
Telephone	:	1 (800) 381-4929
Telefax	:	
E-mail address Responsible/issuing person	:	Us-info@siliconbiosystems.com
Emergency telephone number	r	

1.4 Emergency telephone number US: (303) 389-1805 International: +1 (303) 389-1805

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

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

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

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

Supplemental Hazard	:	Not a hazardous substance or mixture ac-
Statements		cording to Regulation (EC) No. 1272/2008.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.



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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature

: Liquid

Hazardous components

Remarks : No hazardous ingredients

SECTION 4: First aid measures

4.1 Description of first aid measur	es
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 conscious). Call a physician immediately.
4.2 Most important symptoms and	l officite, both courts and delayed

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment	: Treat symptomatically.
-----------	--------------------------

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire- : No information available. fighting



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5.3 Advice	e for firefighters				
	al protective equipment efighters	: In the event of	fire, wear self-contained breathing apparatus.		
Further information		: No information available.			
SECTION	I 6: Accidental releas	e measures			
6.1 Persor	nal precautions, protec	tive equipment and	d emergency procedures		
Personal precautions		team must resp	an accidental release the emergency response bond based on a risk assessment and use per- e equipment as appropriate.		
6.2 Enviro	nmental precautions				
Environmental precautions		: Should not be released into the environment.			
6.3 Metho	ds and material for cor	tainment and clea	ning up		
Methods for cleaning up		Keep in proper	am up. Soak up with inert absorbent material. y labelled containers. ently cover the spill with an absorbent towel or		
		pad. Large spills + S	mall spills: Keep in suitable, closed containers eat recovered material as described in the sec		

SECTION 7: Handling and storage

7.1 Precautions for safe handling

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.
Advice on protection against fire and explosion	:	No data available
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage	: To maintain product quality, do not store in heat or direct sun-
areas and containers	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.



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Recomn perature	nended storage tem-	: 2-8°C		
7.3 Specific end use(s) Specific use(s) : Consult the technical guidelines for the use of this sub-				

stance/mixture.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form	Control parameters	Basis
		of exposure)		
sodium azide	26628-22-8	TWA	0,1 mg/m3	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	0,3 mg/m3	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			

8.2 Exposure controls

Engineering measures

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

Personal protective equipment					
Eye protection	No spec	ial precautions required.			
Hand protection Remarks	Disposa	blegloves			
Skin and body protection	No spec	ial precautions required.			
Respiratory protection	controllin If respira ties, the will dependent hazards sent.	ring controls should always be the primary method of ng exposures. atory protective equipment is needed for certain activi- type as well as the corresponding protection factor and upon the risk assessment and air concentrations, physical and warning properties of substances pre- onal respiratory protective equipment normally re-			
Protective measures	the Envi	e of protective equipment must be selected based on ronmental Health and Safety risk assessment. Con- ivironmental Health and Safety expert if necessary.			



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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: clear
Odour	: odourless
рН	: 7,5
Solubility(ies) Water solubility	: soluble

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

None reasonably foreseeable.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions					
Hazardous reactions	: No dangerous reaction known under conditions of normal use.				

10.4 Conditions to avoid

Conditions to avoid

: To avoid thermal decomposition, do not overheat.

10.5 Incompatible materials

Materials to avoid	: Strong acids and strong bases
	Reducing agents
	Strong oxidizing agents

10.6 Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:

Acute oral toxicity

: Acute toxicity estimate: > 2 000 mg/kg



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Method: Calculation method

Skin corrosion/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

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Other adverse effects

No data available



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1.39	2018-01-09	100000010887	Date of first issue: 2015-02-04

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	: 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.

SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. Not applicable

Other regulations : Restricted to professional users.

15.2 Chemical safety assessment

A Chemical Safety Assessment is not applicable (mixture)



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1.39	2018-01-09	10000010887	Date of first issue: 2015-02-04

SECTION 16: Other information

Date and Number Formats

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Numbers:	123456,78	as	123 456,78	

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US / EN

Anti-EpCAM ferrofluid



Version 1.38	Revision Date: 2017/12/22		S Number: 0000010880	Date of last issue: 2017/08/03 Date of first issue: 2015/02/04	
SECTION	1. IDENTIFICATION				
	Product name Substance name		Anti-EpCAM ferrofluid Anti-EpCAM ferrofluid 7036		
Manu	facturer or supplier's	s deta	ils		
Comp	pany name of supplier	:	Menarini Silicon Biosystems, Inc		
Addre	ess	:	3401 Masons I Huntingdon Va USA	∕iill Rd #100 lley, PA 19006,	
Telep	Telephone		1 (800) 381-4929		
	E-mail address Responsi- ble/issuing person		Us-info@siliconbiosystems.com		
Emer numb	gency telephone per	:		-1805 +1 (303) 389-1805	

Recommended use of the chemical and restrictions on use

Recommended use : Assay reagent

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature

Mixture

: Liquid

Hazardous components

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

SECTION 4. FIRST AID MEASURES

If inhaled

: If breathed in, move person into fresh air.

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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 a	: No information available.			
Notes to physician : Treat symptomatically.			tically.			

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	Use extinguishing measures that are appropriate to lo cumstances and the surrounding environment.	ocal cir-
Specific hazards during fire- fighting	No information available.	
Further information	No information available.	
Special protective equipment for firefighters	In the event of fire, wear self-contained breathing app	oaratus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	: In the event of an accidental release the emergency response team must respond based on a risk assessment and use per- sonal protective equipment as appropriate.
Environmental precautions	: Should not be released into the environment.
Methods and materials for containment and cleaning up	 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 pad. Large spills + Small spills: Keep in suitable, closed containers for disposal. Treat recovered material as described in the sec- tion "Disposal considerations".

SECTION 7. HANDLING AND STORAGE

Anti-EpCAM ferrofluid



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	vice on protection against and explosion	: No data availabl	e		
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.			
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. 			
	commended storage tem- ature	: 2-8°C			

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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	
	Further information: J&J has a hazard banding notation: PBOEL HHC. This substance is classified by J&J as being PBOEL HHC 2. This means that the OEL is estimated to be from 20 to 100 μg/m3				
Engineering measures : All personal protective equipment should be based on a risk assessment. Consult a Environment Health Safety expert if necessary.					
Personal protective equipmen	t				
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.				ertain activ- on factor entrations, ances pre-	
Hand protection					
Remarks	: Disposable gl	oves			
Eye protection	: No special pro	ecautions require	ed.		

Components with workplace control parameters
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Skin	and body protection	: No special prec	cautions required.
Protective measures		the Environmer	tective equipment must be selected based on ntal Health and Safety risk assessment. Con- nental Health and Safety expert if necessary.
Hygiene measures		: Handle in acco practice.	rdance with good industrial hygiene and safety

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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

SECTION 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.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity
No data available
Skin corrosion/irritation
No data available
Serious eye damage/eye irritation
Serious eye damage/eye irritation No data available
No data available

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	erm cell mu o data availa	•		
Ca	arcinogenio	city		
IA	ARC			s product present at levels greater than or ntified as probable, possible or confirmed y IARC.
OSHA		No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.		
N	ITP			s product present at levels greater than or ntified as a known or anticipated carcinogen
	eproductive o data availa	•		
	TOT - singl o o data availa	e exposure able		
	TOT - repea o data availa	ated exposure able		
	epeated do o data availa	•		
	spiration to o data availa	•		

SECTION 12. ECOLOGICAL INFORMATION

Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A +

SAFETY DATA SHEET

Anti-EpCAM ferrofluid



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		D)		

B).

SECTION 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.

SECTION 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

49 CFR Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

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Sectio	on 311, Table 117.3.		micals listed under the U.S. (listed under the U.S. Clean V	
Mass	achusetts Right To Kı	now		
		No components Know Act.	are subject to the Massachu	setts Right to
Penns	sylvania Right To Kno)W		
	water		7732-18-5	90 - 100 %
New 、	Jersey Right To Know	,		
	water		7732-18-5	90 - 100 %
Califo	ornia Prop 65	•	es not contain any chemicals cause cancer, birth defects, c n.	
Other regulations		: Restricted to pro	ofessional users.	

SECTION 16. OTHER INFORMATION



Revision Date

: 2016/11/22

Date and Number Formats

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Numbers:	123456,78	as	123,456.78	

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Version	Revision Date:	SDS Number:	Date of last issue: 2017/08/03
1.38	2017/12/22	100000010880	Date of first issue: 2015/02/04

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.

US/EN



Version 1.40	Revision Date: 2018/01/09		DS Number: 00000010879	Date of last issue: 2017/08/04 Date of first issue: 2015/02/04	
SECTION	1. IDENTIFICATION				
	luct name stance name	:	Dilution buffer Dilution buffer 7039		
Man	ufacturer or supplier's	deta	ails		
Com	Company name of supplier		Menarini Silicon Biosystems, Inc		
Addr	Address		3401 Masons Mill Rd #100 Huntingdon Valley, PA 19006 USA		
E-ma	Telephone E-mail address Responsi- ble/issuing person		1 (800) 381-4929 Us-info@siliconb		
	Emergency telephone number		: US: (303) 389-1805 International: +1 (303) 389-1805		
Rece	ommended use of the	cher	nical and restriction	ons on use	
Reco	Recommended use :		Assay reagent		

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : Liquid

Hazardous components

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

SECTION 4. FIRST AID MEASURES

If inhaled

: If breathed in, move person into fresh air. Consult a physician.



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In case	e of skin contact	Wash off with p	ninated clothing and shoes immediately. lenty of water. rsist, call a physician.
In case	In case of eye contact : Rinse immediately with plenty of water, also under the eye for at least 5 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.		
lf swal	lowed	: If swallowed, rir scious). Call a physiciar	nse mouth with water (only if the person is con-
	mportant symptoms fects, both acute and d	: No information available.	
Notes	to physician	: Treat symptomatically.	

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	Use extinguishing measures that are appropriate to loca cumstances and the surrounding environment.	al cir-
Specific hazards during fire- fighting	No information available.	
Further information	No information available.	
Special protective equipment for firefighters	In the event of fire, wear self-contained breathing appar	atus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	: In the event of an accidental release the emergency response team must respond based on a risk assessment and use per- sonal protective equipment as appropriate.
Environmental precautions	: Should not be released into the environment.
Methods and materials for containment and cleaning up	 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 pad. Large spills + Small spills: Keep in suitable, closed containers for disposal. Treat recovered material as described in the sec- tion "Disposal considerations".

SECTION 7. HANDLING AND STORAGE

Advice on protection against	:	No data available
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fire ar	nd explosion		
Advice	e on safe handling	Avoid inhalation,	decomposition, do not overheat. ingestion and contact with skin and eyes. tective equipment as required.
Condi	tions for safe storage	 To maintain product quality, do not store in heat or direct sulight. 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. 	
Recor peratu	mmended storage tem- ure	: 2 - 8 °C	

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
sodium azide	26628-22-8	С	0.1 ppm (HN3)	NIOSH REL
		C (Vapour)	0.11 ppm (Hydrazoic acid)	ACGIH
		С	0.1 ppm (Ammonia)	OSHA P0
		С	0.29 mg/m3 (Sodium azide)	ACGIH
		С	0.3 mg/m3 (Sodium azide)	NIOSH REL
		С	0.3 mg/m3 (Sodium azide)	OSHA P0
		С	0.1 ppm 0.3 mg/m3	CAL PEL

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 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 re-



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		quired.			
Hand	protection				
Remarks		: Disposable gloves			
Eye protection : No special precautions required.		cautions required.			
Skin and body protection : No special precautions required.		cautions required.			
Protec	ective measures : The type of protective equipment must be selected based the Environmental Health and Safety risk assessment. C sult a Environmental Health and Safety expert if necessa		ntal Health and Safety risk assessment. Con-		
Hygie	Hygiene measures : Handle in accordance with good industrial hygiene and s practice.		ordance with good industrial hygiene and safety		

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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

SECTION 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
Hazardous decomposition products	: None known.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:



Versio 1.40	on	Revision Date: 2018/01/09	SDS Number: 100000010879	Date of last issue: 2017/08/04 Date of first issue: 2015/02/04	
A	Acute oral toxicity		: Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method		
С	Compo	onents:			
		n azide			
A	cute c	oral toxicity	: LD50 (Rat): 27 m	g/kg	
-	_	orrosion/irritation a available			
S	Seriou	s eye damage/eye irri	tation		
N	lo data	a available			
	-	atory or skin sensitis a available	ation		
G	Germ o	ell mutagenicity			
N	lo data	a available			
		ogenicity			
L	ARC			s product present at levels greater than or ntified as probable, possible or confirmed by IARC.	
C	OSHA			s product present at levels greater than or ntified as a carcinogen or potential A.	
Ν	NTP			s product present at levels greater than or ntified as a known or anticipated carcinogen	
R	enroc	luctive toxicity			
	-	a available			
		single exposure			
		a available			
		repeated exposure a available			
R	Repeat	ed dose toxicity			
N	lo data	a available			
Α	spira	tion toxicity			
N	lo data	a available			

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:



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	m azide ty to fish	: LC50 (Lepomis Exposure time:	s macrochirus (Bluegill sunfish)): 0.7 mg/l 96 h	
	ty to daphnia and other c invertebrates	: EC50 (Daphnia pulex (Water flea)): 4.2 mg/l Exposure time: 96 h		
Toxicit	ty to algae	: IC50: 272 mg/l		
Toxicit	ty to bacteria	: EC50 (Photoba	acterium phosphoreum): 38.5 mg/l	
No dat Bioac No dat Mobili No dat	stence and degradabili ta available cumulative potential ta available ity in soil ta available adverse effects			
	e-Depletion Potential	Protection of S Substances Remarks: This manufactured	CFR Protection of Environment; Part 82 tratospheric Ozone - CAA Section 602 Class I product neither contains, nor was with a Class I or Class II ODS as defined by the Act Section 602 (40 CFR 82, Subpt. A, App.A +	

SECTION 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.

SECTION 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

49 CFR

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

DINATRIUMMONOHYD 7558-79-4 0.12 % ROGEENFOSFAAT

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

DINATRIUMMONOHYD 7558-79-4 0.12 %

ROGEENFOSFAAT

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

Massachusetts Right To Know	,		
sodium azide		26628-22-8	0.1 - 1 %
Pennsylvania Right To Know			
water		7732-18-5	90 - 100 %
DINATRIUMMC	NOHYDROGEENFOSFAAT	7558-79-4	0.1 - 1 %
sodium azide		26628-22-8	0.1 - 1 %
New Jersey Right To Know			
water		7732-18-5	90 - 100 %
California Prop 65	This product does not conta	ain any chemicals	known to State

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.





SECTION 16. OTHER INFORMATION

Further information



Revision Date : 2016/11/22

Date and Number Formats

This document uses the following notation for printing dates and numbers:				
Date:	Dec 31th, 2012	as	2012/12/31	
Numbers:	123456,78	as	123,456.78	

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US / EN



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SECTION	1. IDENTIFICATION			
	uct name tance name		Cell fixative Cell fixative 7042	
Manu	ufacturer or supplier's	deta	ails	
Com	pany name of supplier	:	Menarini Silicon I	Biosystems, Inc
Addre	ess	:	3401 Masons Mil Huntingdon Valle USA	
Telep	bhone	:	1 (800) 381-4929)
	il address Responsi- suing person	:	Us-info@silicont	biosystems.com
Emer numl	rgency telephone ber	:	US:(303) 389-18 International: +1	
Reco	ommended use of the o	chen	nical and restricti	ons on use
Reco	mmended use	:	Assay reagent	

SECTION 2. HAZARDS IDENTIFICATION

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. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves. Response: P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P363 Wash contaminated clothing before reuse. Disposal:



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			P501 Dispose (posal plant.	of contents/ container t	o an approved waste dis-
Othe	r hazards				
	e known.				
SECTION	3. COMPOSITION/INFO	ORM/	ATION ON ING	REDIENTS	
Subs	tance / Mixture	:	Mixture		
Cher	nical nature	:	Liquid		
Haza	rdous components				
Cher	nical name			CAS-No.	Concentration (%)
IMID	UREA			39236-46-9	>= 1 - < 5
sodiu	ım azide			26628-22-8	>= 0.1 - < 1
SECTION	4. FIRST AID MEASUR	RES			
lf inh	aled		If breathed in, r Consult a phys	move person into fresh ician.	air.
In ca	se of skin contact		Wash off with p	minated clothing and sl plenty of water. ersist, call a physician.	noes immediately.
In ca	se of eye contact		for at least 15 r Remove contac	ninutes.	r, also under the eyelids, cialist.
lf sw	allowed		lf swallowed, riı scious). Call a physiciaı	·	only if the person is con-
	important symptoms effects, both acute and /ed	:	No information	available.	
Note	s to physician	:	Treat symptom	atically.	

SECTION 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-	: No hazardous combustion products are known



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uct	S		
Fur	ther information	: No information a	available.
	ecial protective equipment firefighters	: In the event of f	ire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	:	n the event of an accidental release the emergency response team must respond based on a risk assessment and use per- sonal protective equipment as appropriate.
Environmental precautions	:	Should not be released into the environment.
Methods and materials for containment and cleaning up	:	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 pad. Large spills + Small spills: Keep in suitable, closed containers for disposal. Treat recovered material as described in the sec- tion "Disposal considerations".

SECTION 7. HANDLING AND STORAGE

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.
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

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis	
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sion B	Revision Date: 2018/01/09	SDS Number: 100000010702	Date of fi	st issue: 2015/02/04	
sodiu	m azide	26628-22-8	С	0.1 ppm (HN3)	NIOSH RE
			C (Vapour)	0.11 ppm (Hydrazoic acid)	ACGIH
			С	0.1 ppm (Ammonia)	OSHA P0
			С	0.29 mg/m3 (Sodium azide)	ACGIH
			С	0.3 mg/m3 (Sodium azide)	NIOSH REI
			С	0.3 mg/m3 (Sodium azide)	OSHA P0
			С	0.1 ppm 0.3 mg/m3	CAL PEL
Haza	rdous components w	vithout workplace	control parame	ters	
Comp	onents	CAS-No.			
IMIDU		39236-46-9	7		
Engir	nal protective equip	necessary.	protective equip . Consult a Envir	ronment Health Safet	y expert if
Perso	onal protective equip	necessary. ment	. Consult a Envi		
Perso	onal protective equip	necessary. ment : Engineering controlling e If respiratory ities, the typ	Consult a Envir controls should xposures. protective equi e as well as the	onment Health Safet always be the primar oment is needed for o corresponding protect sessment and air con	ry method of certain activ- ction factor
Perso		necessary. ment : Engineering controlling e If respiratory ities, the typ will depend hazards, phy sent.	Consult a Envir controls should xposures. protective equi e as well as the upon the risk as ysical and warnin	always be the primar oment is needed for c corresponding protec	ry method of certain activ- ction factor icentrations, tances pre-
Perso Respi		necessary. ment : Engineering controlling e If respiratory ities, the typ will depend hazards, phy sent. No personal	Consult a Envir controls should xposures. protective equi e as well as the upon the risk as ysical and warnin	always be the primar oment is needed for o corresponding protec sessment and air con ng properties of subst	ry method of certain activ- ction factor icentrations, tances pre-
Perso Respi	iratory protection	necessary. ment : Engineering controlling e If respiratory ities, the typ will depend hazards, phy sent. No personal	Consult a Envir controls should xposures. protective equip e as well as the upon the risk as ysical and warnin respiratory prot	always be the primar oment is needed for o corresponding protec sessment and air con ng properties of subst	ry method of certain activ- ction factor icentrations, tances pre-
Perso Respi Hand Re	iratory protection	necessary. ment : Engineering controlling e If respiratory ities, the typ will depend hazards, phy sent. No personal quired. : Disposable e	Consult a Envir controls should xposures. protective equip e as well as the upon the risk as ysical and warnin respiratory prot	always be the primar oment is needed for o corresponding protect sessment and air con ng properties of subst ective equipment nor	ry method of certain activ- ction factor icentrations, tances pre-
Perso Respi Hand Re Eye p	protection protection marks	necessary. ment : Engineering controlling e If respiratory ities, the typ will depend hazards, phy sent. No personal quired. : Disposable of : No special p	Consult a Envir controls should xposures. protective equip e as well as the upon the risk as ysical and warnin respiratory prot	always be the primar oment is needed for o corresponding protect sessment and air con ng properties of subst ective equipment norr	ry method of certain activ- ction factor icentrations, tances pre-
Perso Respi Hand Re Eye p Skin a	protection marks	necessary. ment Engineering controlling e If respiratory ities, the typ will depend hazards, phy sent. No personal quired. Disposable e No special p No special p The type of the Environr	Consult a Envir controls should xposures. protective equip e as well as the upon the risk as ysical and warnin respiratory prot gloves precautions requi protective equip nental Health an	always be the primar oment is needed for o corresponding protect sessment and air con ng properties of subst ective equipment norr	ry method of certain activ- ction factor iccentrations, tances pre- mally re- mally re-

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

: liquid



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Colou	r	: clear	
Odour		: odourless	
рН		: 7.5	
	ility(ies) ter solubility	: soluble	

SECTION 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.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity	
Product:	
Acute oral toxicity	: Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Components:	
IMIDUREA Acute oral toxicity	: LD50 (Rat): 11,300 mg/kg
Acute inhalation toxicity	: LC50 (Rat): > 5.5 mg/l Exposure time: 1 h
Acute dermal toxicity	: LD50 (Rabbit): > 5,000 mg/kg
sodium azide Acute oral toxicity	: LD50 (Rat): 27 mg/kg
Skin corrosion/irritation	
<u>Components:</u> IMIDUREA	



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Result: No skin irritation

Serious eye damage/eye irritation

<u>Components:</u> IMIDUREA Result: No eye irritation

Respiratory or skin sensitisation

<u>Components:</u> IMIDUREA Method: Maximisation Test Result: May cause sensitisation by skin contact.

Method: Local Lymph Node Assay (LLNA) in mice Result: May cause sensitisation by skin contact.

Germ cell mutagenicity

<u>Components:</u> IMIDUREA	
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.
Carcinogenicity	
Components: IMIDUREA Carcinogenicity -	: No information available.
Assessment	
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential



Versior 1.43	n Revision Date: 2018/01/09	SDS Number: 100000010702	Date of last issue: 2017/08/04 Date of first issue: 2015/02/04
		carcinogen by OSH	Α.
Ν	ТР		is product present at levels greater than or ntified as a known or anticipated carcinogen
Re	eproductive toxicity		
IM	omponents: IIDUREA eratogenicity - Assessment	: No information av	vailable.
	FOT - single exposure o data available		
S	FOT - repeated exposure		
No	o data available		
Re	epeated dose toxicity		
IM Sp NC LC Ap Sp	omponents: IIDUREA Decies: Rat DAEL: 200 mg/kg DAEL: 500 mg/kg oplication Route: Oral Decies: Rabbit DAEL: 200 mg/kg oplication Route: Dermal		
	spiration toxicity o data available		
SECTI	ON 12. ECOLOGICAL INFO	ORMATION	
Ec	cotoxicity		
	omponents: IIDUREA		
	oxicity to fish	: Remarks: No dat	a available
	odium azide oxicity to fish	: LC50 (Lepomis n Exposure time: 9	nacrochirus (Bluegill sunfish)): 0.7 mg/l 6 h
	oxicity to daphnia and other quatic invertebrates	: EC50 (Daphnia pu Exposure time: 9	ılex (Water flea)): 4.2 mg/l 6 h
Тс	oxicity to algae	: IC50: 272 mg/l	



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To	xicity to bacteria	: E(C50 (Photobact	erium phosphoreum): 38.5 mg/l
Pe	rsistence and degradabili	ty		
IM	mponents: IDUREA odegradability	: R	: Remarks: No data available	
Bio	paccumulative potential			
IM	mponents: IDUREA baccumulation	: R	emarks: No data	aavailable
Мо	obility in soil			
IM Dis	mponents: IDUREA stribution among vironmental compartments	: R	emarks: No data	a available
Ot	her adverse effects			
	oduct: one-Depletion Potential	Pr Su Re m	rotection of Stra ubstances emarks: This pro anufactured with S. Clean Air Ac	FR Protection of Environment; Part 82 tospheric Ozone - CAA Section 602 Class I oduct neither contains, nor was n a Class I or Class II ODS as defined by the t Section 602 (40 CFR 82, Subpt. A, App.A +
IM	mponents: IDUREA sults of PBT and vPvB	: N	o information av	ailable.
ass Ad	ditional ecological prmation		o data available	

SECTION 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.



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SECTION 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

49 CFR

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

DINATRIUMMONOHYD	7558-79-4	0.12 %
ROGEENFOSFAAT		
SODIUM PHOSPHATE	7558-79-4	0.0175 %
DIBASIC		

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

26628-22-8

0.1 - 1 %

DINATRIUMMONOHYD	7558-79-4	0.12 %
ROGEENFOSFAAT		
SODIUM PHOSPHATE	7558-79-4	0.0175 %
DIBASIC		

Massachusetts Right To Know



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Pennsylvania Right To Know								
	water			7732-18-5	90 - 100 %			
DINATRIUMMONOHYDROGEENFOSFA			-OSFAAT	7558-79-4	0.1 - 1 %			
sodium azide			26628-22-8	0.1 - 1 %				
	SODIUM PH	IOSPHATE DIBASIC		7558-79-4	0 - 0.1 %			
New Jersey Right To Know								
	water			7732-18-5	90 - 100 %			
	IMIDUREA			39236-46-9	1 - 5 %			
	Sodium chlo	oride (NaCl)		7647-14-5	1 - 5 %			
California Prop 65		of California to ca	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other re- productive harm.					
Other	regulations	: Restricted to prof	fessional u	sers.				

SECTION 16. OTHER INFORMATION



Revision Date : 2016/11/22

Date and Number Formats

This document uses the following notation for printing dates and numbers:						
Date:	Dec 31th, 2012	as	2012/12/31			
Numbers:	123456,78	as	123,456.78			

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



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is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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