

Version	Revision Date:	SDS Number:	Date of last issue: 2017-08-04
1.35	2018-01-09	10000010878	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	: Capture enhancement reagent
Substance name	: Capture enhancement reagent 7037

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		
L	Emergency telephone number				

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.



Version	Revision Date:	SDS Number:	Date of last issue: 2017-08-04
1.35	2018-01-09	10000010878	Date of first issue: 2015-02-04

: Liquid

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
sodium azide	26628-22-8 247-852-1	Acute Tox. 2; H300 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,1 - < 0,25

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of 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.
4.2	Most important symptoms and	l e	ffects, 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 cir-



Capture enhancement reagent						
Versior 1.35	n Revision Date: 2018-01-09	SDS Number: 100000010878	Date of last issue: 2017-08-04 Date of first issue: 2015-02-04			
		cumstances and the surrounding environment.				
5.2 Sp	ecial hazards arising from	the substance or mi	xture			
Specific hazards during fire- fighting		: No information av	/ailable.			
5.3 Ad	5.3 Advice for firefighters					
Special protective equipment for firefighters		: In the event of fire, wear self-contained breathing apparatus				
Further information : No information available.			ailable.			

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures				
Personal precautions	: 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.			
6.2 Environmental precautions				
Environmental precautions	: Should not be released into the environment.			
6.3 Methods and material for cont	ainment and cleaning up			
Methods for 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". 			

6.4 Reference to other sections

For disposal information, see section 13

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.



Version 1.35	Revision Date: 2018-01-09	SDS Number: 100000010878	Date of last issue: 2017-08-04 Date of first issue: 2015-02-04			
7.2 Condit	7.2 Conditions for safe storage, including any incompatibilities					
Requirements for storage areas and containers		: 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				
7.3 Specif	ic end use(s)					
Specif	fic use(s)	: Consult the te stance/mixtur	echnical guidelines for the use of this sub- e.			

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
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 significa	ant uptake through the skin, I	ndicative

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 equipme Eye protection		No special precautions required.
Hand protection Remarks	:	Disposable gloves
Skin and body protection	:	No special precautions required.
Respiratory protection	:	Engineering controls should always be the primary method of controlling exposures. If respiratory protective equipment is needed for certain activi- ties, 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.
Protective measures	:	The type of protective equipment must be selected based on the Environmental Health and Safety risk assessment. Con-



Version	Revision Date:	SDS Number:	Date of last issue: 2017-08-04
1.35	2018-01-09	10000010878	Date of first issue: 2015-02-04

sult a Environmental Health and Safety expert if necessary.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: clear
Odour	: No data available

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 : 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 Method: Calculation method

Components:



Capture enhancement reagent Version Date of last issue: 2017-08-04 **Revision Date:** SDS Number: 1.35 2018-01-09 Date of first issue: 2015-02-04 10000010878 sodium azide: : LD50 (Rat): 27 mg/kg Acute oral toxicity 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

<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

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available



Version	Revision Date:	SDS Number:	Date of last issue: 2017-08-04
1.35	2018-01-09	10000010878	Date of first issue: 2015-02-04

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

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.



Version	Revision Date:	SDS Number:	D
1.35	2018-01-09	100000010878	D

Date of last issue: 2017-08-04 Date of first issue: 2015-02-04

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)

SECTION 16: Other information

Full text of H-Statements

H300 :	Fatal if swallowed.
H400 :	Very toxic to aquatic life.
H410 :	Very toxic to aquatic life with long lasting effects.

Date and Number Formats

This document uses the following notation for printing dates and numbers:Date:Dec 31th, 2012as2012-12-31

Numbers:	123456,78	as	123 456,78
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.

BE / EN



Version	Revisionsdatum:	SDB-nummer:
1.35	2018-01-09	100000010878

Datum för senaste utfärdandet: 2017-08-04 Datum för det första utfärdandet: 2015-07-23

AVSNITT 1: Namnet på ämnet/blandningen och bolaget/företaget

1.1 Produktbeteckning

Handelsnamn Ämnets namn

 Capture enhancement reagent
 Capture enhancement reagent 7037

1.2 Relevanta identifierade användningar av ämnet eller blandningen och användningar som det avråds från

Användning av ämnet eller	: Analysreagens
blandningen	

1.3 Närmare upplysningar om den som tillhandahåller säkerhetsdatablad

Företag	: Menarini Silicon Biosystems, Inc 3401 Masons Mill Rd #100 Huntingdon Valley, PA 19006 USA
Telefon	: 1 (800) 381-4929
Telefax	:
E-postadress Ansvarig/utfärdande person	: Us-info@siliconbiosystems.com

1.4 Telefonnummer för nödsituationer

US:(303) 389-1805 International: +1 (303) 389-1805

AVSNITT 2: Farliga egenskaper

2.1 Klassificering av ämnet eller blandningen

Klassificering (FÖRORDNING (EG) nr 1272/2008)

Ej farligt ämne eller blandning enligt regelverket (EG) nr 1272/2008.

2.2 Märkningsuppgifter

Märkning (FÖRORDNING (EG) nr 1272/2008)

Ej farligt ämne eller blandning enligt regelverket (EG) nr 1272/2008.

Kompletterande	:	Ej farligt ämne eller blandning enligt
farouppgifter		regelverket (EG) nr 1272/2008.

2.3 Andra faror

Ämnet /blandningen innehåller inga komponenter som anses vara långlivade, bioackumulerande och toxiska (PBT) eller mycket långlivade och mycket bioackumulerande (vPvB) i halter av 0,1% eller högre.



Version 1.2	Revision Date: 2018-01-09	SDS Number: 100000013033	Date of last issue: 2017-09-19 Date of first issue: 2016-11-15
SECTION	I 1: Identification of	the substance/m	ixture and of the company/undertaki
1.1 Produ	ct identifier		
Subst	ance name	: Staining Reag	ent
1.2 Releva	ant identified uses of	the substance or m	ixture and uses advised against
	of the Sub- e/Mixture	: Assay reagent	
1.3 Details	s of the supplier of th	e safety data sheet	
Comp	bany	3401 Masons	on Biosystems, Inc Mill Rd #100 alley, PA 19006
Telep	hone	: 1 (800) 381-49	29
Telefa	ax	:	
	il address onsible/issuing person	: Us-info@silico	nbiosystems.com
US: (jency telephone numl 303) 389-1805 national: +1 (303) 389-		

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.

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.



•				
Version	Revision Date:	SDS Number:	Date of last issue: 2017-09-19	
1.2	2018-01-09	10000013033	Date of first issue: 2016-11-15	

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 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 conscious). Call a physician immediately. 			

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	: Use extinguishing measures that are appropriate to local cir-
Suitable extinguishing media	cumstances and the surrounding environment.
5.2 Special hazards arising from t Specific hazards during fire- fighting	



Version 1.2	Revision Date: 2018-01-09	SDS Number: 100000013033	Date of last issue: 2017-09-19 Date of first issue: 2016-11-15
Hazaı ucts	rdous combustion prod-	: No hazardous c	combustion products are known
5.3 Advice	e for firefighters		
•	al protective equipment efighters	: In the event of f	ire, wear self-contained breathing apparatus.
Furth	er information	: No information a	available.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Personal precautions : In the event of an accidental release the emergency response team must respond based on a risk assessment and use personal protective equipment as appropriate. **6.2 Environmental precautions Environmental precautions** : Should not be released into the environment. 6.3 Methods and material for containment and cleaning up Methods for 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 section "Disposal considerations".

6.4 Reference to other sections

For disposal information, see section 13

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



Version 1.2	Revision Date: 2018-01-09	SDS Number: 100000013033	Date of last issue: 2017-09-19 Date of first issue: 2016-11-15
			nd well-ventilated place. Keep away from heat ignition. Keep locked up. Keep refrigerated.
Reco pera	ommended storage tem- ture	: 2 - 8 °C	
•	i fic end use(s) cific use(s)	: Consult the tech stance/mixture.	nnical guidelines for the use of this sub-

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
		. ,		
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 special precautions required.
Skin and body protection :	No special precautions required.
Respiratory protection :	Engineering controls should always be the primary method of controlling exposures. If respiratory protective equipment is needed for certain activi- ties, 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.
Protective 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.



Version	Revision Date:	SDS Number:	Date of last issue: 2017-09-19
1.2	2018-01-09	100000013033	Date of first issue: 2016-11-15
1.2	2010-01-03	10000013033	Date of 113(1350c. 2010 11 15

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: purple
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

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



Version 1.2	Revision Date: 2018-01-09	SDS Number: 100000013033	Date of last issue: 2017-09-19 Date of first issue: 2016-11-15
		Method: Calcul	ation method
		Acute toxicity e Method: Calcul	stimate: > 2 000 mg/kg ation method
	corrosion/irritation ata available		
-	iratory or skin sensi ata available	tisation	
	a cell mutagenicity ata available		
	i nogenicity ata available		
-	oductive toxicity ata available		
	F - single exposure ata available		
	F - repeated exposur ata available	e	
-	ated dose toxicity ata available		
-	r ation toxicity ata available		

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.

: This substance/mixture contains no components considered



- · · · · · · · · · · · · · · · · · · ·	,				
Version 1.2	Revision Date: 2018-01-09	SDS Number: 100000013033	Date of last issue: 2017-09-19 Date of first issue: 2016-11-15		
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				
SECTION 13: Disposal considerations					
13.1 Waste treatment methods					
Produ	uct	: In accordanc tions.	e with National, Federal, State and Local regula-		

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.



Version	Revision Date:	SDS Number:	Date of last issue: 2017-09-19
1.2	2018-01-09	10000013033	Date of first issue: 2016-11-15

15.2 Chemical safety assessment

A Chemical Safety Assessment is not applicable (mixture)

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.

BE / EN



allergic skin reaction.

Nucleic acid dye

Version	Revision Date:	SDS Number:	Date of last issue: 2017-08-03
1.57	2017-22-12	10000010877	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	 Nucleic acid dye Nucleic acid dye 7041
1.2 Relevant identified uses of	of the substance or mixture and uses advised against
Use of the Sub- stance/Mixture	: Assay reagent

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
E-mail address Responsible/issuing person	: Us-info@siliconbiosystems.com

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

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms			
Signal word	:	Warning	
Hazard statements	:	H317	May cause an
Precautionary statements	:	Prevention:	



Version	Revision Date:	SDS Number:	Date of last issue: 2017-08-03
1.57	2017-22-12	10000010877	Date of first issue: 2015-02-04
	-		
		P261	Avoid breathing dust/ fume/ gas/ mist/ va- pours/ spray.
		P272	Contaminated work clothing should not be allowed out of the workplace.
		P280	Wear protective gloves.
		Response:	
		P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.
		P362 + P364	Take off contaminated clothing and wash it before reuse.
		Disposal:	
		P501	Dispose of contents/ container to an ap- proved waste disposal plant.

Hazardous components which must be listed on the label:

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

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.

SECTION 3: Composition/information on ingredients

: Liquid

3.2 Mixtures

Chemical nature

Hazardous com	ponents
Chomical name	

Chemical name	CAS-No. EC-No.	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
	Registration number		. ,
mixture of: 5-chloro-2-	55965-84-9	Acute Tox. 3; H301	>= 0,0015 - <
methyl-4-isothiazolin-3-		Acute Tox. 3; H331	0,06
one [EC no. 247-500-7]		Acute Tox. 3; H311	
and 2-methyl-2H-		Skin Corr. 1B; H314	
isothiazol-3-one [EC		Eye Dam. 1; H318	
no. 220-239-6] (3:1)		Skin Sens. 1; H317	
		Aquatic Acute 1; H400	
		Aquatic Chronic 1; H410	

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

If inhaled

: If breathed in, move person into fresh air.



Version 1.57	Revision Date: 2017-22-12	SDS Number: 100000010877	Date of last issue: 2017-08-03 Date of first issue: 2015-02-04		
		Consult a phys	sician.		
In o	case of skin contact	Wash off imme If symptoms p	minated clothing and shoes immediately. ediately with plenty of water. ersist, call a physician. nated clothing before re-use.		
In case of eye contact		for at least 5 m Remove conta	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.		
lf s	wallowed	scious).	nse mouth with water (only if the person is con- n immediately.		
	st important symptoms a mptoms	nd effects, both ac : No informatior	-		
4.3 Indi	cation of any immediate	medical attention	and special treatment needed		
Tre	eatment	: Treat symptom	natically.		
SECTI	ON 5: Firefighting meas	sures			
5.1 Exti	inguishing media				
Su	itable extinguishing media		ing measures that are appropriate to local cir- nd the surrounding environment.		
5.2 Spe	cial hazards arising from	the substance or	mixture		
	ecific hazards during fire- nting	: No informatior	n available.		
5.3 Adv	vice for firefighters				
	ecial protective equipment firefighters	: In the event of	fire, wear self-contained breathing apparatus.		
Fu	rther information	: No information	available.		

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	: 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.



Version 1.57	Revision Date: 2017-22-12	SDS Number: 100000010877	Date of last issue: 2017-08-03 Date of first issue: 2015-02-04
6.2 Enviro	nmental precautions		
Enviro	onmental precautions	: Should not be	released into the environment.
6.3 Metho	ds and material for co	ontainment and clea	aning up
Methods for cleaning up :		Keep in prope Small spills: G pad. Large spills + for disposal. T	am up. Soak up with inert absorbent material. rly labelled containers. ently cover the spill with an absorbent towel or Small spills: Keep in suitable, closed containers reat recovered material as described in the sec- considerations".

6.4 Reference to other sections

For disposal information, see section 13

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 in		uding any incompatibilities

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	: 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
7.3 Specific end use(s)	

Specific use(s)

: Consult the technical guidelines for the use of this substance/mixture.



Version	Revision Date:	SDS Number:
1.57	2017-22-12	100000010877

Date of last issue: 2017-08-03 Date of first issue: 2015-02-04

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

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 equipme	nt	
Eye protection	: 1	No special precautions required.
Hand protection Remarks	: [Disposable gloves
Skin and body protection	: 1	No special precautions required.
Respiratory protection	c l t v f s S	Engineering controls should always be the primary method of controlling exposures. If respiratory protective equipment is needed for certain activi- ties, the type as well as the corresponding protection factor will depend upon the risk assessment and air concentrations, nazards, physical and warning properties of substances pre- sent. No personal respiratory protective equipment normally re- quired.
Protective measures	t	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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

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

9.2 Other information

No data available



Version 1.57	Revision Date: 2017-22-12	SDS Number: 100000010877	Date of last issue: 2017-08-03 Date of first issue: 2015-02-04
SECTION	N 10: Stability and	reactivity	
10.1 Reac	tivity		
None	reasonably foreseeal	ole.	
10.2 Chen	nical stability		
Stable	e under recommende	d storage conditions.	
10.3 Poss	bibility of hazardous	reactions	
Hazardous reactions : No dangerous reaction known under conditions of normal us			
10.4 Conc	ditions to avoid		
Conditions to avoid : To avoid thermal decomposition, do not overheat.			nal decomposition, do not overheat.
10.5 Incor	mpatible materials		
Mater	rials to avoid	: None known.	
10.6 Haza	rdous decompositio	n products	
None	known.		

11.1 Information on toxicological effects

Acute toxicity

<u>Components:</u> mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H- isothiazol-3-one [EC no. 220-239-6] (3:1):			
Acute oral toxicity	 Assessment: The component/mixture is toxic after single ingestion. Remarks: Classification according to Regulation 1272/2008 Annex VI 		
Acute inhalation toxicity	 Assessment: The component/mixture is toxic after short term inhalation. Remarks: Classification according to Regulation 1272/2008 Annex VI 		
Acute dermal toxicity	 Assessment: The component/mixture is toxic after single contact with skin. Remarks: Classification according to Regulation 1272/2008 Annex VI 		

Skin corrosion/irritation

Components:

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



Version	Revision Date:	SDS Number:	Date of last issue: 2017-08-03
1.57	2017-22-12	10000010877	Date of first issue: 2015-02-04

Species: Rabbit

Result: Corrosive after 3 minutes to 1 hour of exposure

Remarks: Classification according to Regulation 1272/2008 Annex VI

Respiratory or skin sensitisation

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC no. 220-239-6] (3:1): Result: May cause sensitisation by skin contact. Remarks: Classification according to Regulation 1272/2008 Annex VI

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

icity)

Components:

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

Toxicity to fish	: Remarks: Classification according to Regulation 1272/2008 Annex VI
Toxicity to fish (Chronic tox-	: Remarks: Classification according to Regulation 1272/2008

Annex VI

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available



		SDS Number: 100000010877	Date of last issue: 2017-08-03 Date of first issue: 2015-02-04
--	--	-----------------------------	---

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

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.



Version	Revision Date:	SDS Number:	Date of last issue: 2017-08-03
1.57	2017-22-12	10000010877	Date of first issue: 2015-02-04

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)

SECTION 16: Other information

Full text of H-Statements

H301 :	Toxic if swallowed.
H311 :	Toxic in contact with skin.
H314 :	Causes severe skin burns and eye damage.
H317 :	May cause an allergic skin reaction.
H318 :	Causes serious eye damage.
H331 :	Toxic if inhaled.
H400 :	Very toxic to aquatic life.
H410 :	Very toxic to aquatic life with long lasting effects.

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.

BE / 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	 Permeabilization reagent Permeabilization reagent
Substance name	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 Biosyste 3401 Masons Mill Rd #10 Huntingdon Valley, PA 1 USA	00
Telephone	1 (800) 381-4929	
Telefax		
E-mail address Responsible/issuing person	Us-info@siliconbiosysten	ns.com
Emergency telephone number		

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.



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

: Liquid

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature

Hazardous components

Remarks : No hazardous ingredients

SECTION 4: First aid measures

4.1 Description of first aid mea	isures
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.
	scious).

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



Version	Revision Date:	SDS Nun	nber:	Date of last issue: 2017-08-03
1.39	2018-01-09	1000000		Date of first issue: 2015-02-04
5.3 Advic	e for firefighters			
Spec	ial protective equipment efighters	: In the	event of fire	e, wear self-contained breathing apparatus.
Furth	er information	: No in	formation av	ailable.
SECTION	N 6: Accidental releas	se measu	ires	
6.1 Perso	nal precautions, protec	tive equip	oment and e	mergency procedures
Perso	onal precautions	: In the event of an accidental release the emergency responteam must respond based on a risk assessment and use personal protective equipment as appropriate.		
6.2 Enviro	onmental precautions			
Envir	onmental precautions	: Should not be released into the environment.		
6.3 Metho	ods and material for cor	ntainment	and cleanir	ng up
Methods for cleaning up : Large spills: Dam up. S Keep in properly labelle Small spills: Gently cove		up. Soak up with inert absorbent material. abelled containers. y cover the spill with an absorbent towel or		
		for dis	sposal. Trea	all spills: Keep in suitable, closed containers recovered material as described in the sec- siderations".
6.4 Refere	ence to other sections			

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.



Version 1.39	Revision Date: 2018-01-09	SDS Number: 100000010887	Date of last issue: 2017-08-03 Date of first issue: 2015-02-04
Recom	nmended storage tem- re	: 2 - 8 °C	
•	c end use(s) c use(s)	: Consult the techr stance/mixture.	nical guidelines for the use of this sub-

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 special precautions required.		
Hand protection Remarks	:	Disposable gloves		
Skin and body protection	:	No special precautions required.		
Respiratory protection	:	Engineering controls should always be the primary method of controlling exposures. If respiratory protective equipment is needed for certain activi- ties, 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.		
Protective measures	:	The type of protective equipment must be selected based on the Environmental Health and Safety risk assessment. Con- sult a Environmental Health and Safety expert if necessary.		



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 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.

0.3 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



Version	Revision Date:	SDS Number:	Date of last issue: 2017-08-03
1.39	2018-01-09	100000010887	Date of first issue: 2015-02-04

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



 evision Date:	SDS Number:	Date of last issue: 2017-08-03
018-01-09	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)



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 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.

BE / EN



Anti-EpCAM ferrofluid

Version	Revision Date:	SDS Number:	Date of last issue: 2017-08-03
1.61	2017-12-22	10000010880	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	: Anti-EpCAM ferrofluid : Anti-EpCAM ferrofluid 7036

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 numbe	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)

Skin sensitisation, Category 1 H317: Ma

H317: May cause an allergic skin reaction.

2.2 Label elements

Signal word

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms

Hazard statements

Precautionary statements



: Prevention:

May cause an allergic skin reaction.



Anti-EpCAM ferrofluid

Version 1.61	Revision Date: 2017-12-22	SDS Number: 100000010880	Date of last issue: 2017-08-03 Date of first issue: 2015-02-04
		P261	Avoid breathing dust/ fume/ gas/ mist/ va- pours/ spray.
		P272	Contaminated work clothing should not be allowed out of the workplace.
		P280	Wear protective gloves.
		Response:	
		P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.
		P362 + P364	Take off contaminated clothing and wash it before reuse.
		Disposal:	
		P501	Dispose of contents/ container to an ap- proved waste disposal plant.

Hazardous components which must be listed on the label:

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

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.

SECTION 3: Composition/information on ingredients

: Liquid

3.2 Mixtures

Chemical nature

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
mixture of: 5-chloro-2- methyl-4-isothiazolin-3- one [EC no. 247-500-7] and 2-methyl-2H- isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	Acute Tox. 3; H301 Acute Tox. 3; H331 Acute Tox. 3; H311 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,0015 - < 0,01
Substances with a workplace exposure limit :			
Anti-EpCAM mouse mAb conjugated to Ferrofluid	Not Assigned		>= 0,01 - < 0,1

Hazardous components

For explanation of abbreviations see section 16.



Version	Revision Date:	SDS Number:	Date of last issue: 2017-08-03
1.61	2017-12-22	10000010880	Date of first issue: 2015-02-04

SECTION 4: First aid measures

4.1 Description of 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.

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 cir- cumstances and the surrounding environment.
5.2 Special hazards arising from	the substance or mixture
Specific hazards during fire- fighting	: No information available.
5.3 Advice for firefighters	
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus.
Further information	: No information available.



Version	Revision Date:	SDS Number:	Date of last issue: 2017-08-03
1.61	2017-12-22	10000010880	Date of first issue: 2015-02-04

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	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.

6.2 Environmental precautions

Environmental precautions	:	Should not be released into the environment.
---------------------------	---	--

6.3 Methods and material for containment and cleaning up

	Methods for cl	eaning 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".
--	----------------	-------------	--

6.4 Reference to other sections

For disposal information, see section 13

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, i	ncluding any incompatibilities
Requirements for storage areas and containers	: 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
7.3 Specific end use(s)	
Specific use(s)	: Consult the technical guidelines for the use of this sub- stance/mixture.



Version	Revision Date:	SDS Number:	Date of last issue: 2017-08-03
1.61	2017-12-22	10000010880	Date of first issue: 2015-02-04

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Anti-EpCAM mouse mAb conju- gated to Ferrofluid		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 μ g/m3			

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 special precautions required.
Hand protection Remarks	: Disposable gloves
Skin and body protection	: No special precautions required.
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.
Protective 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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	:	liquid
Colour	:	brown



— I		•			
Version 1.61	Revision Date: 2017-12-22	SDS Number: 100000010880	Date of last issue: 2017-08-03 Date of first issue: 2015-02-04		
pН		: 7,5			
	bility(ies) ater solubility	: soluble			
9.2 Other	information				
No da	ata available				
SECTION	N 10: Stability and	reactivity			
10.1 Read	•				
None	reasonably foreseea	ble.			
10.2 Cher	nical stability				
Stabl	e under recommende	d storage conditions.			
10.3 Poss	bility of hazardous	reactions			
Haza	rdous reactions	: No dangerous	: No dangerous reaction known under conditions of normal use		
10.4 Cond	ditions to avoid				
Cond	litions to avoid	: To avoid thermal decomposition, do not overheat.			
10.5 Inco	mpatible materials				
Mate	rials to avoid	: None known.			
10.6 Haza	rdous decompositio	on products			
None	known.				
SECTION	N 11: Toxicologica	l information			
11.1 Infor	mation on toxicolog	ical effects			
Acut	e toxicity				
mixtu			one [EC no. 247-500-7] and 2-methyl-2H-		
	iazol-3-one [EC no. : e oral toxicity	: Assessment: T	The component/mixture is toxic after single		
		ingestion. Remarks: Clas Annex VI	sification according to Regulation 1272/2008		
Acute	e inhalation toxicity	: Assessment: T	The component/mixture is toxic after short term		

Acute inhalation toxicity	:	Assessment: The component/mixture is toxic after short term inhalation. Remarks: Classification according to Regulation 1272/2008 Annex VI
Acute dermal toxicity	:	Assessment: The component/mixture is toxic after single



Version	Revision Date:	SDS Number:	Date of last issue: 2017-08-03
1.61	2017-12-22	10000010880	Date of first issue: 2015-02-04

contact with skin. Remarks: Classification according to Regulation 1272/2008 Annex VI

Skin corrosion/irritation

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC no. 220-239-6] (3:1): Species: Rabbit Result: Corrosive after 3 minutes to 1 hour of exposure Remarks: Classification according to Regulation 1272/2008 Annex VI

Respiratory or skin sensitisation

Components:

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC no. 220-239-6] (3:1): Result: May cause sensitisation by skin contact. Remarks: Classification according to Regulation 1272/2008 Annex VI

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

Components:

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

Toxicity to fish : Remarks: Classification according to Regulation 1272/2008 Annex VI



	pc Aivi remonulu			
Version 1.61	Revision Date: 2017-12-22	SDS Number: 100000010880	Date of last issue: 2017-08-03 Date of first issue: 2015-02-04	
Toxic icity)	sity to fish (Chronic tox-	: Remarks: Classi Annex VI	fication according to Regulation 1272/2008	
	istence and degradab i ata available	lity		
	ccumulative potential ata available			
	ility in soil ata available			
12.5 Rest	ults of PBT and vPvB a	ssessment		
<u>Prod</u> Asse	l <u>uct:</u> ssment	: 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		
	er adverse effects ata available			
SECTIO	N 13: Disposal consi	derations		
13.1 Was Prod	te treatment methods uct	: In accordance v tions.	with National, Federal, State and Local regula-	
Cont	aminated packaging		ers should be taken to an approved waste han- cycling or disposal.	
SECTIO	N 14: Transport info	mation		
14.2 UN p	egulated as a dangerou proper shipping name	-		
NOT I	egulated as a dangerou	s 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



Version	Revision Date:	SDS Number:	Date of last issue: 2017-08-03
1.61	2017-12-22	10000010880	Date of first issue: 2015-02-04

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)

SECTION 16: Other information

Full text of H-Statements

H301 :	Toxic if swallowed.
H311 :	Toxic in contact with skin.
H314 :	Causes severe skin burns and eye damage.
H317 :	May cause an allergic skin reaction.
H318 :	Causes serious eye damage.
H331 :	Toxic if inhaled.
H400 :	Very toxic to aquatic life.
H410 :	Very toxic to aquatic life with long lasting effects.

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.

BE / EN



Version	Revision Date:	SDS Number:	Date of last issue: 2017-08-04
1.39	2018-01-09	10000010879	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 : Dilution buffer Substance name : Dilution buffer

Substance name : Dilution buffer 7039

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.



Version	Revision Date:	SDS Number:	Date of last issue: 2017-08-04
1.39	2018-01-09	10000010879	Date of first issue: 2015-02-04

: Liquid

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
sodium azide	26628-22-8 247-852-1	Acute Tox. 2; H300 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,1 - < 0,25

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of 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.
4.2 I	Most important symptoms and	l e	ffects, 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 cir-



Version 1.39	Revision Date: 2018-01-09	SDS Number: 100000010879	Date of last issue: 2017-08-04 Date of first issue: 2015-02-04
		cumstances ar	nd the surrounding environment.
5.2 Speci	al hazards arising from	the substance or	mixture
Specific hazards during fire- fighting		: No information	available.
5.3 Advice for firefighters			
Special protective equipment for firefighters		: In the event of	fire, wear self-contained breathing apparatus.
Furth	er information	: No information	available.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Personal precautions : In the event of an accidental release the emergency response team must respond based on a risk assessment and use personal protective equipment as appropriate. 6.2 Environmental precautions **Environmental precautions** : Should not be released into the environment. 6.3 Methods and material for containment and cleaning up Methods for 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 section "Disposal considerations".

6.4 Reference to other sections

For disposal information, see section 13

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.



Version 1.39	Revision Date: 2018-01-09	SDS Number: 100000010879	Date of last issue: 2017-08-04 Date of first issue: 2015-02-04
7.2 Condi	tions for safe storage,	including any inc	ompatibilities
	irements for storage and containers	light. Store in in a dry, cool	oduct quality, do not store in heat or direct sun- original container. Keep containers tightly closed and well-ventilated place. Keep away from heat of ignition. Keep locked up. Keep refrigerated.
Reco perat	mmended storage tem- ure	: 2 - 8 °C	
7.3 Speci	fic end use(s)		
Spec	ific use(s)	: Consult the te stance/mixtur	echnical guidelines for the use of this sub- e.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
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 special precautions required.
Hand protection Remarks	:	Disposable gloves
Skin and body protection	:	No special precautions required.
Respiratory protection	:	Engineering controls should always be the primary method of controlling exposures. If respiratory protective equipment is needed for certain activi- ties, 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.
Protective measures	:	The type of protective equipment must be selected based on the Environmental Health and Safety risk assessment. Con-



Version	Revision Date:	SDS Number:	Date of last issue: 2017-08-04
1.39	2018-01-09	10000010879	Date of first issue: 2015-02-04

sult a Environmental Health and Safety expert if necessary.

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

: Oxidizing agents

10.6 Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:



Version 1.39	Revision Date: 2018-01-09	SDS Number: 100000010879	Date of last issue: 2017-08-04 Date of first issue: 2015-02-04
Acute	e oral toxicity	: Acute toxicity e Method: Calcul	stimate: > 2 000 mg/kg ation method
	ponents:		
	u m azide: e oral toxicity	: LD50 (Rat): 27	mg/kg
•••••	corrosion/irritation ata available		
-	biratory or skin sensi ata available	tisation	
	n cell mutagenicity ata available		
	inogenicity ata available		
-	oductive toxicity ata available		
	T - single exposure ata available		
	T - repeated exposur ata available	e	
-	eated dose toxicity ata available		
-	ration toxicity ata available		

SECTION 12: Ecological information

12.1 Toxicity

Components:	
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



Dilutio	n buffer		
Version 1.39	Revision Date: 2018-01-09	SDS Number: 100000010879	Date of last issue: 2017-08-04 Date of first issue: 2015-02-04
	istence and degradat ata available	bility	
	ccumulative potentia ata available	I	
	i lity in soil ata available		
12.5 Resu	Its of PBT and vPvB	assessment	
Prod	uct:		
Asse	: 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		
	r adverse effects ata available		
SECTION	N 13: Disposal cons	iderations	
13.1 Wast	e treatment methods		
Produ	uct	: In accordance v tions.	vith National, Federal, State and Local regula-
Conta	aminated packaging	: Empty containe	rs 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.



Version	Revision Date:	SDS Number:	Date of last issue: 2017-08-04
1.39	2018-01-09	10000010879	Date of first issue: 2015-02-04

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.
-------------------	---	-----------------------------------

According to Article 1, item 5 (a) of CLP Regulation (EC) 1272/2008, medicinal products in the finished state for human use, as defined in 2001/83/EC, are excepted from classification and other criteria of 1272/2008.

15.2 Chemical safety assessment

A Chemical Safety Assessment is not applicable (mixture)

SECTION 16: Other information

Full text of H-Statements

H300 :	Fatal if swallowed.
H400 :	Very toxic to aquatic life.
H410 :	Very toxic to aquatic life with long lasting effects.

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.

BE / EN



Version	Revision Date:	SDS Number:	Date of last issue: 2017-08-04
1.44	2018-01-09	10000010702	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	: Cell fixative
Substance name	: Cell fixative
	7042

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	,	

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)

Skin sensitisation, Category 1

H317: May cause an allergic skin reaction.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

2

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

Supplemental Hazard Statements

Hazard pictograms



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



Version 1.44	Revision Date: 2018-01-09	SDS Number: 100000010702	Date of last issue: 2017-08-04 Date of first issue: 2015-02-04
Signa	l word	: Warning	
Hazar	d statements	: H317	May cause an allergic skin reaction.
Preca	utionary statements	: Prevention: P261	Avoid breathing dust/ fume/ gas/ mist/ va- pours/ spray.
		P272	Contaminated work clothing should not be allowed out of the workplace.
		P280 Response:	Wear protective gloves.
		P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.
		P362 + P364	Take off contaminated clothing and wash it before reuse.
		Disposal:	
		P501	Dispose of contents/ container to an ap- proved waste disposal plant.

Hazardous components which must be listed on the label: IMIDUREA

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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Liquid

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
IMIDUREA	39236-46-9 254-372-6	Skin Sens. 1; H317	>= 1 - < 10

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

If inhaled

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



/ersion	Revision Date:	SDS Number:	Date of last issue: 2017-08-04
1.44	2018-01-09	10000010702	Date of first issue: 2015-02-04
In ca	ase of skin contact	Wash off with	taminated clothing and shoes immediately. n plenty of water. persist, call a physician.
In case of eye contact		for at least 1 Remove con	
lf sv	vallowed	scious).	rinse mouth with water (only if the person is cor ian immediately.
4.2 Most	important symptoms a	nd effects, both a	icute and delayed
Sym	ptoms	: No information	on available.
	ation of any immediate atment	medical attentior : Treat sympto	a and special treatment needed matically.
Trea	•	: Treat sympto	-
Trea SECTIO 5.1 Extin	N 5: Firefighting meas	: Treat sympto	matically.
Trea SECTIO 5.1 Extin	N 5: Firefighting meas	: Treat sympto	-
Trea SECTIO 5.1 Extin Suit	N 5: Firefighting meas	: Treat sympto sures : Use extinguis cumstances	matically. shing measures that are appropriate to local cir- and the surrounding environment.
Trea SECTIO 5.1 Extin Suit	atment N 5: Firefighting measure aguishing media able extinguishing media ial hazards arising from cific hazards during fire-	: Treat sympto sures : Use extinguis cumstances	matically. shing measures that are appropriate to local cir- and the surrounding environment.
Trea SECTIO 5.1 Extin Suit 5.2 Spec fight	atment N 5: Firefighting meas aguishing media able extinguishing media ial hazards arising from cific hazards during fire- ing ardous combustion prod-	: Treat sympton sures : Use extinguis cumstances the substance of : No information	matically. shing measures that are appropriate to local cir- and the surrounding environment.
Trea SECTIO 5.1 Extin Suit 5.2 Spec fight Haz ucts	atment N 5: Firefighting meas aguishing media able extinguishing media ial hazards arising from cific hazards during fire- ing ardous combustion prod-	: Treat sympton sures : Use extinguis cumstances the substance of : No information	matically. shing measures that are appropriate to local cir- and the surrounding environment. or mixture on available.
Trea SECTIO 5.1 Extin Suit 5.2 Spec fight Haz ucts 5.3 Advie Spe	atment N 5: Firefighting measure aguishing media able extinguishing media ial hazards arising from cific hazards during fire- ing ardous combustion prod-	 Treat sympton sures Use extinguis cumstances the substance of No information No hazardou 	matically. shing measures that are appropriate to local cir- and the surrounding environment. or mixture on available.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	: 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.



Version 1.44	Revision Date: 2018-01-09	SDS Number: 100000010702	Date of last issue: 2017-08-04 Date of first issue: 2015-02-04
6.2 Enviro	nmental precautions		
Enviro	nmental precautions	: Should not be	released into the environment.
	ds and material for co ds for cleaning up	: Large spills: D Keep in proper Small spills: G pad. Large spills + S for disposal. T	am up. Soak up with inert absorbent material. Iy labelled containers. ently cover the spill with an absorbent towel or Small spills: Keep in suitable, closed containers reat recovered material as described in the sec- considerations".

6.4 Reference to other sections

For disposal information, see section 13

SECTION 7: Handling and storage

7.1 P	recautions 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
I	Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice.
7.2 C	conditions for safe storage, in	cl	uding any incompatibilities
	Requirements for storage areas and containers	:	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

7.3 Specific end use(s)

Specific use(s)

: Consult the technical guidelines for the use of this substance/mixture.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form	Control parameters	Basis
------------	---------	------------------	--------------------	-------



Version	Revision Date:	SDS Number:	Date of last issue: 2017-08-04
1.44	2018-01-09	10000010702	Date of first issue: 2015-02-04

		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/E			
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 equipme Eye protection	No special precautions required.	
Hand protection Remarks	Disposable gloves	
Skin and body protection	No special precautions required.	
Respiratory protection	Engineering controls should always be the primary met controlling exposures. If respiratory protective equipment is needed for certain ties, the type as well as the corresponding protection fa will depend upon the risk assessment and air concentra hazards, physical and warning properties of substances sent. No personal respiratory protective equipment normally quired.	activi- ictor ations, s pre-
Protective measures	The type of protective equipment must be selected bas the Environmental Health and Safety risk assessment. sult a Environmental Health and Safety expert if necess	Con-

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



Version 1.44	Revision Date: 2018-01-09	SDS Number: 100000010702	Date of last issue: 2017-08-04 Date of first issue: 2015-02-04
SECTION	10: Stability and	reactivity	
10.1 Reac	tivity		
	reasonably foreseeal	ole.	
10.2 Chen	nical stability		
	e under recommende	d storage conditions.	
10.3 Poss	ibility of hazardous	reactions	
Hazaı	rdous reactions	: No dangerous	reaction known under conditions of normal use
10.4 Cond	litions to avoid		
Condi	itions to avoid	: To avoid therr	nal decomposition, do not overheat.
10.5 Incor	npatible materials		
Mater	ials to avoid	: Strong acids a Reducing age Oxidizing age	

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 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
Skin corrosion/irritation	
Components:	

IMIDUREA: Result: No skin irritation



Version	Revision Date:	SDS Number:	Date of last issue: 2017-08-04
1.44	2018-01-09	10000010702	Date of first issue: 2015-02-04

Serious eye damage/eye irritation

Components:

IMIDUREA: Result: No eye irritation

Respiratory or skin sensitisation

Components:

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

Components:	
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- As- sessment	: No information available.
Carcinogenicity	
<u>Components:</u> IMIDUREA: Carcinogenicity - Assess- ment	: No information available.
Reproductive toxicity	
<u>Components:</u> IMIDUREA: Teratogenicity - Assessment	: No information available.



Cell fixative				
Version 1.44	Revision Date: 2018-01-09	SDS Number: 100000010702	Date of last issue: 2017-08-04 Date of first issue: 2015-02-04	
No da STOT	- single exposure ata available - repeated exposure ata available			
Repe	ated dose toxicity			
IMIDU Speci NOAE LOAE Applic Speci NOAE	Donents: JREA: es: Rat EL: 200 mg/kg EL: 500 mg/kg cation Route: Oral es: Rabbit EL: 200 mg/kg cation Route: Dermal			
-	ation toxicity ata available			
SECTION	I 12: Ecological info	rmation		
12.1 Toxic	ity			
IMIDU	oonents: JREA: ity to fish	: Remarks: No	data available	
<u>Com</u> IMIDU	stence and degradabi ponents: JREA: gradability	: Remarks: No	data available	
12.3 Bioad	cumulative potential			
IMIDU	oonents: JREA: cumulation	: Remarks: No	data available	
12.4 Mobi	lity in soil			
IMIDU Distrik	oonents: JREA: pution among environ- al compartments	: Remarks: No	data available	



evision Date: 018-01-09 of PBT and vPvB as	1000	Number: 00010702 nent	Date of last issue: 2017-08-04 Date of first issue: 2015-02-04
	ssessr	nent	
ent			
ent			
	: 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		
ents:			
A: ent	: N	lo information av	vailable
verse effects			
ents: A:			
ecological infor-	: R	emarks: No dat	a available
	A: ent verse effects e <u>nts:</u> A:	e <u>nts:</u> A: ent : N verse effects e <u>nts:</u> A:	ents: A: ent : No information av verse effects ents: A:

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



Version	Revision Date:	SDS Number:	Date of last issue: 2017-08-04
1.44	2018-01-09	100000010702	Date of first issue: 2015-02-04

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)

SECTION 16: Other information

Full text of H-Statements

H317 : May cause an allergic skin reaction.

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.

BE / EN