

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision date 22-Aug-2022 Version 6

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

1.1. Product identifier

Product No T1014

Monarch Plasmid Wash Buffer 1 **Product name**

Pure substance/mixture Mixture

Contains Guanidine Hydrochloride, Isopropyl Alcohol

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

Recommended use This product is for research and development only

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Supplier Address

New England BioLabs 240 County Road Ipswich, MA 01938

ÚSA

For further information, please contact

Company Phone Number 978-927-5054, 800-632-5227 (toll free)

978-921-1350 **Telefax**

info@neb.com E-mail address

1.4. Emergency telephone number

Europe +1 978-380-2125

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Acute toxicity - Oral	Category 4 - (H302)
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Specific target organ toxicity (single exposure)	Category 3 - (H336)
Category 3 Narcotic effects	
Flammable liquids	Category 3 - (H226)

2.2. Label elements

Contains Guanidine Hydrochloride, Isopropyl Alcohol





Signal word

Warning

Hazard statements

H302 - Harmful if swallowed

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness

H226 - Flammable liquid and vapor

Precautionary Statements - EU (§28, 1272/2008)

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P264 - Wash face, hands and any exposed skin thoroughly after handling

P370 + P378 - In case of fire: Use dry chemical, CO2, water spray or alcohol-resistant foam to extinguish

P501 - Dispose of contents/ container to an approved waste disposal plant

P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

P403 + P235 - Store in a well-ventilated place. Keep cool

Additional information

This product requires tactile warnings if supplied to the general public.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical	Weight-%	REACH registration	EC No (EU Index	Classification according to	Specific	M-Facto	M-Factor
name		number	No)	Regulation (EC) No.	concentratio	r	(long-ter
			·	1272/2008 [CLP]	n limit (SCL)		m)
Trade Secret	15 - 40	No data available	(607-148-00-0)	Acute Tox. 4 (H302)	-	-	
			200-002-3	Skin Irrit. 2 (H315)			
				Eye Irrit. 2 (H319)			
Trade Secret	15 - 40	No data available	(603-117-00-0)	Eye Irrit. 2 (H319)	-	-	-
			200-661-7	Flam. Liq. 2 (H225)			

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4	Inhalation LC50 - 4	Inhalation LC50 - 4
			hour - dust/mist -	hour - vapor - mg/L	hour - gas - ppm
			mg/L		
Trade Secret	475	2000	No data available	No data available	No data available
Trade Secret	1870	4059	No data available	30.1002	No data available

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance.

Inhalation Remove to fresh air. IF exposed or concerned: Get medical advice/attention. Get medical

attention immediately if symptoms occur.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep

eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Skin contactWash off immediately with soap and plenty of water while removing all contaminated clothes

and shoes. Get medical attention if irritation develops and persists.

Ingestion Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious

person. Call a physician.

Self-protection of the first aider Remove all sources of ignition. Ensure that medical personnel are aware of the material(s)

involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid

contact with skin, eyes or clothing.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms May cause redness and tearing of the eyes. Burning sensation. Inhalation of high vapor

concentrations may cause symptoms like headache, dizziness, tiredness, nausea and

omiting.

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing mediaDo not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the

chemical

Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate personnel to safe areas. Use personal protective equipment as required. See

section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the

product must be grounded. Do not touch or walk through spilled material.

Other information Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if

safe to do so. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor

suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other

non-combustible material and transfer to containers for later disposal.

Methods for cleaning up Take precautionary measures against static discharges. Dam up. Soak up with inert

absorbent material. Pick up and transfer to properly labeled containers.

Prevention of secondary hazards

Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. In case of insufficient ventilation, wear suitable respiratory equipment.

General hygiene considerations

Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Keep out of the reach of children.

7.3. Specific end use(s)

Risk management methods [RMM] The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Trade Secret	-	TWA: 200 ppm	TWA: 200 ppm	STEL: 1225.0 mg/m ³	TWA: 400 ppm
		TWA: 500 mg/m ³	TWA: 500 mg/m ³	TWA: 980.0 mg/m ³	TWA: 999 mg/m ³
		STEL 800 ppm	STEL: 400 ppm		STEL: 500 ppm
		STEL 2000 mg/m ³	STEL: 1000 mg/m ³		STEL: 1250 mg/m ³
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Trade Secret	-	TWA: 500 mg/m ³	TWA: 200 ppm	TWA: 150 ppm	TWA: 200 ppm
		Ceiling: 1000 mg/m ³	TWA: 490 mg/m ³	TWA: 350 mg/m ³	TWA: 500 mg/m ³
		D*	STEL: 400 ppm	STEL: 250 ppm	STEL: 250 ppm
			STEL: 980 mg/m ³	STEL: 600 mg/m ³	STEL: 620 mg/m ³
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
Trade Secret	STEL: 400 ppm	TWA: 200 ppm	TWA: 200 ppm	TWA: 400 ppm	TWA: 500 mg/m ³
	STEL: 980 mg/m ³	TWA: 500 mg/m ³	TWA: 500 mg/m ³	TWA: 980 mg/m ³	STEL: 1000 mg/m ³
			Peak: 400 ppm	STEL: 500 ppm	b*

				I = 1 1222 / 0		/ ^	1
				Peak: 1000 mg/m ³	SIEL: 1	225 mg/m ³	
Chemical name		Ireland	Italy MDLPS	Italy AIDII	La	atvia	Lithuania
Trade Secret	TW	A: 200 ppm	-	TWA: 200 ppm	TWA: 3	350 mg/m ³	TWA: 150 ppm
	STE	L: 400 ppm		TWA: 492 mg/m ³	STEL: 6	600 mg/m ³	TWA: 350 mg/m ³
		Sk*		STEL: 400 ppm			STEL: 250 ppm
				STEL: 983 mg/m ³			STEL: 600 mg/m ³
Chemical name	Lu	xembourg	Malta	Netherlands	No	rway	Poland
Trade Secret		-	-	-	TWA:	100 ppm	STEL: 1200 mg/m ³
					TWA: 2	245 mg/m ³	TWA: 900 mg/m ³
					STEL:	150 ppm	skóra*
					STEL: 30	6.25 mg/m ³	
Chemical name		Portugal	Romania	Slovakia	Slo	venia	Spain
Trade Secret	TW	A: 200 ppm	TWA: 81 ppm	TWA: 200 ppm	TWA:	200 ppm	TWA: 200 ppm
	STE	L: 400 ppm	TWA: 200 mg/m ³	TWA: 500 mg/m ³	TWA: 5	500 mg/m ³	TWA: 500 mg/m ³
			STEL: 203 ppm	Ceiling: 1000 mg/m ³		400 ppm	STEL: 400 ppm
			STEL: 500 mg/m ³		STEL: 1	000 mg/m ³	STEL: 1000 mg/m ³
Chemical name		Sv	veden	Switzerland		Uni	ited Kingdom
Trade Secret		NGV: 150 ppm		TWA: 200 ppm	<u> </u>	TV	VA: 400 ppm
	NGV: 350 mg/m ³		TWA: 500 mg/m	1 ³	TW	A: 999 mg/m ³	
		Vägledande	KGV: 250 ppm	STEL: 400 ppn	n	ST	EL: 500 ppm
		Vägledande	KGV: 600 mg/m ³	STEL: 1000 mg/l	m^3	STE	L: 1250 mg/m ³

Biological occupational exposure limits

Chemical name	European Union		Austria	Bulg	garia	Croatia		Czech Republic
Trade Secret	-		-		-	50 mg/L - blo		-
						(Acetone) - at		
						end of the work		
						50 mg/L - uri		
						(Acetone) - at		
			= :			end of the work		0 TD00
Chemical name	Denmark		Finland	Fra	nce	Germany DF		Germany TRGS
Trade Secret	-		-		-	25 mg/L (who		25 mg/L (whole
							e end	blood - Acetone end
						of shift)		of shift)
						25 mg/L (urin		25 mg/L (urine -
								Acetone end of shift)
						25 mg/L - BAT		
						of exposure or		
						of shift) urin 25 mg/L - BAT		
						of exposure or		
						of shift) bloc		
Chemical name	Hungary		Irelan	d	Italy	/ MDLPS	Ĭ	Italy AIDII
Trade Secret	-		40 mg/L (urine	-	nai)	-	40 m	g/L - urine (Acetone)
11000 000.01			end of shift a					nd of shift at end of
			workwe				•	workweek
Chemical name	Latvia		Luxembo		R	omania		Slovakia
Trade Secret	-		-			urine (Acetone)		-
						nd of shift		
Chemical name	Slovenia		Spair	1	Sw	itzerland		United Kingdom
Trade Secret	25 mg/L - blood (Acet	one)	40 mg/L (urine	- Acetone	25 mg/L (urine - Acetone		-
	- at the end of the we	ork	end of work	week)	end	d of shift)		
	shift			•	0.4 mn	nol/L (urine -		
	25 mg/L - urine (Aceto	one)				e end of shift)		
	- at the end of the we	ork			25 mg/L	(whole blood -		
	shift					e end of shift)		
						L (whole blood -	1	
					Acetone	e end of shift)		

Derived No Effect Level (DNEL) Predicted No Effect Concentration

No information available. No information available.

(PNEC)

8.2. Exposure controls

No information available. **Engineering controls**

Individual protection measures, such as personal protective

equipment

Eye/face protection Tight sealing safety goggles.

Hand protection Wear suitable gloves. Impervious gloves.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.

Antistatic boots.

No protective equipment is needed under normal use conditions. If exposure limits are Respiratory protection

exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Do not eat, drink or smoke when using this product. Contaminated work clothing should not

be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eve/face protection. Avoid contact with skin, eves or clothing.

None known

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid **Appearance** Colorless

No information available Color

Odor Alcohol.

Odor threshold No information available

Remarks • Method Property Values

Melting point / freezing point No data available None known Initial boiling point and boiling range87 °C None known Flammability (solid, gas) No data available None known Flammability Limit in Air None known

Upper flammability or explosive

limits

No data available

Lower flammability or explosive No data available

limits

Flash point 26 °C ASTM D-93

Autoignition temperature 399 °C **Decomposition temperature**

4.80-5.00

рH

No data available pH (as aqueous solution) None known Kinematic viscosity No data available None known Dynamic viscosity No data available None known No data available Water solubility None known Solubility(ies) No data available None known **Partition coefficient** No data available None known No data available None known Vapor pressure Relative density No data available None known

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None known

Bulk density No data available **Liquid Density** No data available

Vapor density No data available

Particle characteristics

Particle Size No information available **Particle Size Distribution** No information available

9.2. Other information

9.2.1. Information with regard to physical hazard classes Not applicable

9.2.2. Other safety characteristics No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available. Reactivity

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None. Sensitivity to static discharge

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions
None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Heat, flames and sparks.

10.5. Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available. May cause irritation of

respiratory tract. May cause drowsiness or dizziness.

Specific test data for the substance or mixture is not available. Causes serious eye irritation. Eye contact

(based on components). May cause redness, itching, and pain.

Skin contact Specific test data for the substance or mixture is not available. Causes skin irritation. (based

on components).

Ingestion Specific test data for the substance or mixture is not available. Ingestion may cause

gastrointestinal irritation, nausea, vomiting and diarrhea. Harmful if swallowed. (based on

components).

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Redness. May cause redness and tearing of the eyes. Inhalation of high vapor

concentrations may cause symptoms like headache, dizziness, tiredness, nausea and

vomiting.

Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

 ATEmix (oral)
 1,158.00 mg/kg

 ATEmix (dermal)
 4,150.90 mg/kg

 ATEmix (inhalation-vapor)
 66.80 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Trade Secret	= 475 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 3.181 mg/L (Rat) 4 h
			= 7.655 mg/L (Rat) 4 h
Trade Secret	= 1870 mg/kg (Rat)	= 4059 mg/kg (Rabbit)	> 10000 ppm (Rat) 6 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Classification based on data available for ingredients. Causes skin irritation.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Reproductive toxicity No information available.

STOT - single exposure May cause drowsiness or dizziness.

STOT - repeated exposureNo information available.

Aspiration hazard No information available.

11.2. Information on other hazards

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11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity

Unknown aquatic toxicity

Contains 0 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to	Crustacea
			microorganisms	
Trade Secret	EC50: >1000mg/L (96h,	LC50: =9640mg/L (96h,	-	EC50: =13299mg/L (48h,
	Desmodesmus	Pimephales promelas)		Daphnia magna)
	subspicatus)	LC50: =11130mg/L (96h,		
	EC50: >1000mg/L (72h,	Pimephales promelas)		
	Desmodesmus	LC50: >1400000µg/L		
	subspicatus)	(96h, Lepomis		
		macrochirus)		

12.2. Persistence and degradability

Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Bioaccumulation

Component Information

Component information						
Chemical name	Partition coefficient					
Trade Secret	-1.7					
Trade Secret	0.05					

12.4. Mobility in soil

Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

Chemical name	PBT and vPvB assessment
Trade Secret	The substance is not PBT / vPvB
Trade Secret	The substance is not PBT / vPvB PBT assessment does
	not apply

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused

products

Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld

containers.

Other information Waste codes should be assigned by the user based on the application for which the product

was used.

SECTION 14: Transport information

IΑ	١Τ	Α

14.1 UN number or ID number UN1993

14.2

14.3 Transport hazard class(es) 3 14.4 Packing group ||

14.5 Environmental hazard Not applicable

14.6 Special precautions for user

Special Provisions None

IMDG

14.1 UN number or ID number Not regulated

14.2

14.3 Transport hazard class(es)Not regulated14.4 Packing groupNot regulated14.5 Environmental hazardNot applicable

14.6 Special precautions for user

Special Provisions None

14.7 Maritime transport in bulk No information available

according to IMO instruments

RID

14.1 UN/ID No Not regulated

14.2

14.3 Transport hazard class(es)Not regulated14.4 Packing groupNot regulated14.5 Environmental hazardNot applicable

14.6 Special precautions for user

Special Provisions None

ADR

14.1 UN number or ID number Not regulated

14.2

14.3 Transport hazard class(es)
 14.4 Packing group
 14.5 Environmental hazard
 Not regulated Not applicable

14.6 Special precautions for user

Special Provisions None

SECTION 15: Regulatory information

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

National regulations

France

Occupational Illnesses (P. 462.2 France)

Occupational lilnesses (R-463-3, France)	
Chemical name	French RG number
Trade Secret	RG 84

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorizations and/or restrictions on use:

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
Trade Secret -	75.	-
Trade Secret -	75.	-

Persistent Organic Pollutants

Not applicable

Dangerous substance category per Seveso Directive (2012/18/EU)

P5a - FLAMMABLE LIQUIDS P5b - FLAMMABLE LIQUIDS P5c - FLAMMABLE LIQUIDS

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

Biocidal Products Regulation (EU) No 528/2012 (BPR)

	= 10 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	Chemical name Biocidal Products Regulation (EU) No 528/2012 (I		
	Trade Secret -	Product-type 2: Disinfectants and algaecides not intended	
for direct application to humans or animals Product		for direct application to humans or animals Product-type 4:	
		Food and feed area Product-type 1: Human hygiene	

International Inventories

TSCA Contact supplier for inventory compliance status **DSL/NDSL** Contact supplier for inventory compliance status **EINECS/ELINCS** Contact supplier for inventory compliance status **ENCS** Contact supplier for inventory compliance status Contact supplier for inventory compliance status **IECSC** Contact supplier for inventory compliance status **KECL** Contact supplier for inventory compliance status **PICCS** AIIC Contact supplier for inventory compliance status **NZIoC** Contact supplier for inventory compliance status

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H225 - Highly flammable liquid and vapor

H302 - Harmful if swallowed H315 - Causes skin irritation

H319 - Causes serious eye irritation

Legend

SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

STEL (Short Term Exposure Limit) TWA TWA (time-weighted average)

Ceiling Maximum limit value Skin designation

Sensitizers

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR) U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)

European Chemicals Agency (ECHA) (ECHA_API)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

National Institute of Technology and Evaluation (NITE)

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set

World Health Organization

Environmental, Health and Safety Prepared by

Revision note SDS is valid 3 years from revision date. Contact info@neb.com for latest revision.

22-Aug-2022 **Revision date**

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge and belief at the date of publication. This information is intended only as a guide for safe handling, use, processing, storage, transportation, disposal and release and should not be taken as a warranty or quality specification. The information relates only to the

specific material and may not be valid for such material used in combination with any other materials or in any process unless expressly specified in the text. New England Biolabs will not be liable for any damages resulting from handling or contact with the product.

End of Safety Data Sheet

EU SDS version information - EGHS

GHS Revision 8

Europe

Full process, including GHS and Transportation Wizards

Specific target organ toxicity (single exposure)		Category 3			
Category 3 Target organ effects: Narcotic ef	fects.				
Full text of H-Statements referred to under section 3 H225 - Highly flammable liquid and vapor H302 - Harmful if swallowed H315 - Causes skin irritation H319 - Causes serious eye irritation					
Chemical name	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)			
Trade Secret	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)				
Trade Secret	Eye Irrit. 2 (H319) Flam. Liq. 2 (H225)				

Chemical name	CAS No	French RG number
Trade Secret		RG 84