

Revision date 06-May-2023

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 as amended by Regulation (EU) No. 2020/878, and Regulation (EC) No. 1272/2008

Version 6

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

1.1. Product identifier	
Product No	M3003
Product name	Luna® Universal qPCR Master Mix
Pure substance/mixture	Mixture
1.2. Relevant identified uses of the s	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 saf	fety data sheet
<u>Supplier Address</u> New England BioLabs 240 County Road Ipswich, MA 01938 USA	
For further information, please contact	_
Company Phone Number	978-927-5054, 800-632-5227 (toll free)
Telefax	978-921-1350
E-mail address	info@neb.com
1.4. Emergency telephone number	
24 Hour Emergency Phone Number	Chemtrec +44 20 3885 0382
Europe	+1 978-380-2125

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture Regulation (EC) No 1272/2008 This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP] 2.2. Label elements This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP] Hazard statements This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP] EUH210 - Safety data sheet available on request Unknown aquatic toxicity Contains 0 % of components with unknown hazards to the aquatic environment. 2.3. Other hazards No information available.

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition/information on ingredients

- 3.1 Substances
- Not applicable
- 3.2 Mixtures

Chemical name	Weight-%	REACH registration number	EC No (EU Index No)		Specific concentratio n limit (SCL)	r	M-Factor (long-ter m)
Dimethly Sulfoxide 67-68-5	0.1 - 1	No data available	200-664-3	No data available	-	-	-
Ammonium Sulfate 7783-20-2	0.1 - 1	No data available	231-984-1	No data available	-	-	-

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		
Dimethly Sulfoxide	28300	40000	No data available	No data available	No data available
67-68-5					
Ammonium Sulfate	2840	2000	No data available	No data available	No data available
7783-20-2					

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove to fresh air.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.
Ingestion	Rinse mouth.
4.2. Most important symptoms and e Symptoms	ffects, both acute and delayed No information available.
Effects of Exposure	No information available.
4.3. Indication of any immediate med	lical attention and special treatment needed
Note to physicians	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.		
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.		
Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.			
5.2. Special hazards arising from the	e substance or mixture		
Specific hazards arising from the chemical	No information available.		
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	Ensure adequate ventilation.
For emergency responders	Use personal protection recommended in Section 8.
6.2. Environmental precautions	
Environmental precautions	See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up				
Methods for containmentPrevent further leakage or spillage if safe to do so.				
Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.				
Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulation				
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 Ensure adequate ventilation.					
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.				
7.2. Conditions for safe storage, inc	luding any incompatibilities				
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place.				
Storage class (TRGS 510)	Storage class 10.				
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	
Chomical name	

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Dimethly Sulfoxide 67-68-5	-	TWA: 50 ppm TWA: 160 mg/m ³ H*	-	-	-
Ammonium Sulfate 7783-20-2	-	-	-	TWA: 10.0 mg/m ³	-
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Dimethly Sulfoxide 67-68-5	-	-	TWA: 50 ppm TWA: 160 mg/m ³ STEL: 100 ppm STEL: 320 mg/m ³	TWA: 50 ppm TWA: 150 mg/m ³ STEL: 150 ppm STEL: 500 mg/m ³ A*	TWA: 50 ppm iho*
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
Dimethly Sulfoxide 67-68-5	-	TWA: 50 ppm TWA: 160 mg/m ³ H*	TWA: 50 ppm TWA: 160 mg/m ³ Peak: 100 ppm Peak: 320 mg/m ³ *	-	-
Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
Dimethly Sulfoxide	-	-	-	-	O*

67-68-5						TWA: 50 ppm TWA: 150 mg/m ³ STEL: 150 ppm STEL: 500 mg/m ³
Ammonium Sulfate 7783-20-2	-	-	-	TWA: 0	.02 mg/m ³	-
Chemical name	Portugal	Romania	Slovakia	Slo	ovenia	Spain
Dimethly Sulfoxide 67-68-5	-	-	-	TWA: STEL: STEL: 3	60 mg/m ³ 50 ppm 100 ppm 320 mg/m ³ K*	-
Chemical name	S	weden	Switzerland		Uni	ted Kingdom
Dimethly Sulfoxide		': 50 ppm	TWA: 50 ppm		-	
67-68-5		150 mg/m ³	TWA: 160 mg/n			
		KGV: 150 ppm	STEL: 100 ppn			
	Vägledande	KGV: 500 mg/m ³	STEL: 320 mg/r H*	n ³		

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
Glycerol	-	-	56 mg/m³ [5] [6]
56-81-5			
Trade Secret	-	-	168 mg/m³ [4] [6]
			10 mg/m³ [5] [6]
Dimethly Sulfoxide	-	200 mg/kg bw/day [4] [6]	484 mg/m³ [4] [6]
67-68-5			265 mg/m ³ [5] [6]
Trade Secret	-	0.4 mg/kg bw/day [4] [6]	2.9 mg/m ³ [4] [6]
Potassium Chloride	-	303 mg/kg bw/day [4] [6]	1064 mg/m ³ [4] [6]
7447-40-7		910 mg/kg bw/day [4] [7]	5320 mg/m ³ [4] [7]
Magnesium Sulfate Heptahydrate	-	21.3 mg/kg bw/day [4] [6]	37.6 mg/m ³ [4] [6]
10034-99-8			
Tris-HCI	-	216.6 mg/kg bw/day [4] [6]	152.8 mg/m ³ [4] [6]
1185-53-1			

Notes

[4]	Systemic health effects.
[5]	Local health effects.
[6]	Long term.
[7]	Short term.

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
Glycerol 56-81-5	229 mg/kg bw/day [4] [6]	-	33 mg/m³ [5] [6]
Trade Secret	4413 mg/kg bw/day [4] [6] 11178 mg/kg bw/day [4] [7]	-	-
Trade Secret	-	-	50 mg/m³ [4] [6] 10 mg/m³ [5] [6]
Dimethly Sulfoxide	60 mg/kg bw/day [4] [6]	-	120 mg/m ³ [4] [6]

Chemical name	Oral	Dermal	Inhalation
67-68-5			47 mg/m³ [5] [6]
Trade Secret	0.25 mg/kg bw/day [4] [6]	-	1.76 mg/m³ [4] [6]
Potassium Chloride	91 mg/kg bw/day [4] [6]	910 mg/kg bw/day [4] [6]	273 mg/m ³ [4] [6]
7447-40-7	455 mg/kg bw/day [4] [7]	910 mg/kg bw/day [4] [7]	1365 mg/m³ [4] [7]
Magnesium Sulfate Heptahydrate 10034-99-8	12.8 mg/kg bw/day [4] [6]	-	11.1 mg/m³ [4] [6]
Tris-HCI	10.8 mg/kg bw/day [4] [6]	-	37.7 mg/m³ [4] [6]
1185-53-1			

Notes

[4]	Systemic health effects.
[5]	Local health effects.
[6]	Long term.
[7]	Short term.

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
Glycerol 56-81-5	0.885 mg/L	8.85 mg/L	0.0885 mg/L	-	-
Trade Secret	1.2 mg/L	-	-	-	-
Trade Secret	260 mg/L	183 mg/L	26 mg/L	-	-
Dimethly Sulfoxide 67-68-5	17 mg/L	-	1.7 mg/L	-	-
Trade Secret	0.6 µg/L	36 µg/L	0.06 µg/L	-	-
Potassium Chloride 7447-40-7	0.1 mg/L	1 mg/L	0.1 mg/L	-	-
Magnesium Sulfate Heptahydrate 10034-99-8	0.68 mg/L	6.8 mg/L	0.068 mg/L	-	-
Tween-20 9005-64-5	0.2 mg/L	0.239 mg/L	0.02 mg/L	-	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
Glycerol 56-81-5	3.3 mg/kg sediment dw	0.33 mg/kg sediment dw	1000 mg/L	0.141 mg/kg soil dw	-
Trade Secret	572 mg/kg sediment dw	57.2 mg/kg sediment dw	20000 mg/L	50 mg/kg soil dw	-
Dimethly Sulfoxide 67-68-5	13.4 mg/kg sediment dw	-	11 mg/L	3.02 mg/kg soil dw	0.7 g/kg food
Trade Secret	35 µg/kg sediment dw	3.5 µg/kg sediment dw	6 mg/L	6.6 µg/kg soil dw	-
Potassium Chloride 7447-40-7	-	-	10 mg/L	-	-
Magnesium Sulfate Heptahydrate 10034-99-8	-	-	10 mg/L	-	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
Tween-20	1.141 mg/kg	1000 mg/kg	-	-	-
9005-64-5	sediment dw	sediment dw			

8.2. Exposure controls

Engineering controls	No information available.
Individual protection measures, such as personal protective equipment Eye/face protection	No special protective equipment required.
Skin and body protection	No special protective equipment required.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical a		
Physical state	Liquid	
Appearance	Blue	
Color	No information available	
Odor	Slight.	
Odor threshold	No information available	
Property	Values	Remarks • Method
_	No data available	None known
Melting point / freezing point		
Initial boiling point and boiling rang		None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive	No data available	
limits		
Lower flammability or explosive	No data available	
limits		
Flash point	No data available	None known
Autoignition temperature	215 °C	
Decomposition temperature		None known
рН	8.3	
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Water solubility	No data available	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapor pressure	No data available	None known
Relative density	No data available	None known
Bulk density	No data available	
Dank aonony		

Liquid Density Vapor density Particle characteristics Particle Size Particle Size Distribution	No data available No data available No information available No information available	None known	
9.2. Other information			
9.2.1. Information with regard to ph Not applicable	ysical hazard classes		
9.2.2. Other safety characteristics No information available			
SECTION 10: Stability and	reactivity		
10.1. Reactivity			
Reactivity	No information available.		
10.2. Chemical stability			
Stability	Stable under normal conditions.		
Explosion data Sensitivity to mechanical impact None. Sensitivity to static discharge None.			
10.3. Possibility of hazardous react	ions		
Possibility of hazardous reactions	None under normal processing.		
10.4. Conditions to avoid			
Conditions to avoid	None known based on information su	pplied.	
10.5. Incompatible materials			
Incompatible materials	None known based on information su	pplied.	
10.6. Hazardous decomposition products			
Hazardous decomposition product	s None known based on information su	pplied.	

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.	
Eye contact	Specific test data for the substance or mixture is not available.	
Skin contact	Specific test data for the substance or mixture is not available.	
Ingestion	Specific test data for the substance or mixture is not available.	
Symptoms related to the physical, chemical and toxicological characteristics		

Symptoms

No information available.

Acute toxicity

Numerical measures of toxicity

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

ATEmix (oral)	118,532.50 mg/kg
ATEmix (dermal)	95,412.80 mg/kg
ATEmix (inhalation-gas)	99,999.00 ppm
ATEmix (inhalation-vapor)	99,999.00 mg/l
ATEmix (inhalation-dust/mist)	99,999.00 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Dimethly Sulfoxide	= 28300 mg/kg (Rat)	= 40000 mg/kg (Rat)	> 5.33 mg/L (Rat)4 h
Ammonium Sulfate	= 2840 mg/kg (Rat)	> 2000 mg/kg (Rat)	-

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

Skin corrosion/irritation	No information available.		
Serious eye damage/eye irritation	No information available.		
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	No information available.		
STOT - repeated exposure	No information available.		
Aspiration hazard	No information available.		
11.2. Information on other hazards			
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
Gheimear hame	/ igue/aquatic plants	1 1311	microorganisms	Orustacea
Dimethly Sulfoxide	_	LC50: =34000mg/L (96h,	-	-
Differing Suitoxide	-	Pimephales promelas)	_	_
		LC50: 33 - 37g/L (96h,		
		Oncorhynchus mykiss)		
		LC50: >40g/L (96h,		
		Lepomis macrochirus)		
		LC50: =41.7g/L (96h,		
Ammonium Cultote		Cyprinus carpio)		
Ammonium Sulfate	-	LC50: =250mg/L (96h,	-	LC50: =14mg/L (48h,
		Brachydanio rerio)		Daphnia magna)
		LC50: =480mg/L (96h,		
		Brachydanio rerio)		
		LC50: =420mg/L (96h,		
		Brachydanio rerio)		
		LC50: =18mg/L (96h,		
		Cyprinus carpio)		
		LC50: 32.2 - 41.9mg/L		
		(96h, Oncorhynchus		
		mykiss)		
		LC50: 5.2 - 8.2mg/L (96h,		
		Oncorhynchus mykiss)		
		LC50: >100mg/L (96h,		
		Pimephales promelas)		
		LC50: 123 - 128mg/L		
		(96h, Poecilia reticulata)		
		LC50: =126mg/L (96h,		
		Poecilia reticulata)		

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation

Component Information

Chemical name	Partition coefficient	
Dimethly Sulfoxide	-1.35	
Ammonium Sulfate	-5.1	

12.4. Mobility in soil

Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No info

No information available.

Chemical name	PBT and vPvB assessment	
Dimethly Sulfoxide	The substance is not PBT / vPvB	
Ammonium Sulfate	The substance is not PBT / vPvB	

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	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.

SECTION 14: Transport information

IATA 14.1 UN number or ID number	Not regulated Not regulated
14.2 Extended Proper Shipping Name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
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 Extended Proper Shipping	Not regulated
Name	5
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special precautions for user	News
Special Provisions	None No information available
14.7 Maritime transport in bulk according to IMO instruments	
according to Into Instruments	
RID	
14.1 UN/ID No	Not regulated
14.2 Extended Proper Shipping	Not regulated
Name	
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazard	Not applicable

14.6 Special precautions for user Special Provisions	None
ADR	
14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazard	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 (R-463-3, France)

Chemical name	French RG number	
Dimethly Sulfoxide - 67-68-5	RG 84	
	RG 5,RG 14,RG 15,RG 15bis,RG 20bis	

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
Ī	Dimethly Sulfoxide - 67-68-5	75.	-
Ī	Ammonium Sulfate - 7783-20-2	65.	-

Persistent Organic Pollutants Not applicable Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable Biocidal Products Regulation (EU) No 528/2012 (BPR)

Chemical name	Biocidal Products Regulation (EU) No 528/2012 (BPR)	
Ammonium Sulfate - 7783-20-2	Product-type 11: Preservatives for liquid-cooling and	
	processing systems Product-type 12: Slimicides	

International Inventories TSCA Contact supplier for inventory compliance status Contact supplier for inventory compliance status DSL/NDSL **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 PICCS Contact supplier for inventory compliance status Contact supplier for inventory compliance status AIIC

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

Legend

SVHC: Substances of Very High Concern for Authorization:

LegendSection 8: EXPOSURE CCTWATWA (time-weightCeilingMaximum limit va+Sensitizers	ted average)	ROTECTION STEL *	STEL (Short Term Exposure Limit) Skin designation
Key literature references and source Agency for Toxic Substances and Dis U.S. Environmental Protection Agence European Food Safety Authority (EFS European Chemicals Agency (ECHA) European Chemicals Agency (ECHA) EPA (Environmental Protection Agence Acute Exposure Guideline Level(s) (A U.S. Environmental Protection Agence U.S. Environmental Protection Agence Food Research Journal Hazardous Substance Database International Uniform Chemical Inform National Institute of Technology and B Australia National Industrial Chemica NIOSH (National Institute for Occupa National Library of Medicine's Chemil National Library of Medicine's PubMe National Toxicology Program (NTP) New Zealand's Chemical Classification Organization for Economic Co-operat Organization for Economic Co-operat World Health Organization	ease Registry (ATSDR) y ChemView Database SA) Committee for Risk Asses (ECHA_API) cy) SEGL(s)) y Federal Insecticide, Fund y High Production Volume hation Database (IUCLID) Evaluation (NITE) Is Notification and Assess tional Safety and Health) D Plus (NLM CIP) d database (NLM PUBME on and Information Databas ion and Development Envi ion and Development High	ssment (ECHA_RAC gicide, and Rodentic Chemicals nent Scheme (NICN D) se (CCID) ronment, Health, an	ide Act IAS) d Safety Publications e Chemicals Program
Prepared by	Environmental, Health a	nd Safety	
Revision note	SDS is valid 3 years from	n revision date. Con	tact info@neb.com for latest revision.
Revision date	06-May-2023		

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