

btinfo@biotium.com http://www.biotium.com/

SAFETY DATA SHEET

Date Revised: October 30, 2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	DNA Quantitation Buffer, 20X Concentrate
Catalog Number:	99979-25mL
Unit Size:	25 mL
Manufacturer/Supplier:	Biotium, Inc.
	46117 Landing Parkway, Fremont, CA 94538, USA
	Phone: 1-510-265-1027, Fax: 1-510-265-1352
	Web: http://www.biotium.com

Use as laboratory reagent. For research use only. Not for food, drug, household, or cosmetic use.

2. HAZARDS IDENTIFICATION

GHS classification		
Signal word	None	
Health hazards	None	
Physical hazards	None	
Hazard statements	None	
Precautionary staten	nents	None
GHS hazard pictogra	am	None

WHMIS classification None

NFPA Rating Health hazard: 0 Fire: 0 Reactivity Hazard: 0

Classification according to Regulation (EC) No 1272/2008[CLP]NoneLabeling according to Regulation (EC) No 1272/2008[CLP]NoneHazard pictogramNoneSignal wordNoneHazard statementsNonePrecautionary statementsNone

3. COMPOSITION/INFORMATION ON INGREDIENTS

No ingredients present at concentrations classified as harmful to health or the environment.

4. FIRST- AID MEASURES

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area. **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.



btinfo@biotium.com http://www.biotium.com/

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

Suitable extinguishing media

Carbon dioxide, dry chemical extinguishers, foam extinguishers or water.

Special protective equipment for firefighters

Wear self contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid breathing vapors, mist or gas. Remove all sources of ignition. **Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. **Methods and materials for containment and cleaning up** Contain spillage. Soak up spilled substance with inert absorbent material. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid inhalation of vapor or mist. Avoid direct contact with substance. **Conditions for safe storage** Keep container tightly closed in a dry and well-ventilated place. Store at 4°C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Substance None

Personal protective equipment

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye protection



btinfo@biotium.com http://www.biotium.com/

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	DNA Quantitation Buffer,
	20X Concentrate
Appearance	Clear liquid
Odor	No information available
Odor threshold	No information available
рН	No information available
Melting point/freezing point	No information available
Boiling point	No information available
Flash point	No information available
Evaporate rate	No information available
Flammability	No information available
Explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Solubility	Water soluble
Partition coefficient:n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions. Possibility of hazardous reactions No data available Conditions to avoid No data available. Materials to avoid No data available Hazardous decomposition products No data available Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50 None Inhalation LC50 None Dermal LD50 None



46117 Landing Parkway, Fremont, CA 94538, U.S.A. btinfo@biotium.com Tel: 1-510-265-1027; Fax: 1-510-265-1352 http://www.biotium.com/ Other information on acute toxicity No data available Skin corrosion/irritation No data available Serious eye damage/eye irritation No data available Respiratory or skin sensitization No data available Germ cell mutagenicity No data available Carcinogenicity IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Reproductive toxicity No data available Specific target organ toxicity - single exposure (Globally Harmonized System) No data available Specific target organ toxicity - repeated exposure (Globally Harmonized System) No data available Aspiration hazard No data available Potential health effects Inhalation: May be harmful if inhaled. May cause respiratory tract irritation. Indestion: May be harmful if swallowed. Skin: May be harmful if absorbed through skin. May cause skin irritation. Eyes: May cause eye irritation. **Additional Information RTECS:** None

12. ECOLOGICAL INFORMATION

ToxicityNo information availablePersistence and degradabilityNo information availableBioaccumulative potentialNo information availableMobility in soilNo information availableResults of PBT and vPvB assessmentNo information availableOther adverse effectsNo information availableAdditional informationNo information available

13. DISPOSAL CONSIDERATIONS

Do not dispose product directly into sewage. Consult local state or national regulation for proper disposal.

14. TRANSPORT INFORMATION

IATA, IMDG, DOT (US), TDGNot dangerous goods during transportationUN numberNoneUN proper shipping name NoneTransport hazard classNonePacking groupNoneEnvironmental hazardsNoneTransport in bulk according to Annex II of MARPOL 73/78 and IBC CodeNone

46117 Landing Parkway, Fremont, CA 94538, U.S.A. Tel: 1-510-265-1027; Fax: 1-510-265-1352 btinfo@biotium.com http://www.biotium.com/

Special precaution for user None

15. REGULATION INFORTMATION

US Federal Regulations

US Toxic Substances Control Act (TSCA): Not listed SARA 302: No chemicals were found. SARA 313: No chemicals were found. SARA 311/312: No chemicals were found

WHMIS Hazard Class None

16. OTHER INFORMATION

Classification according to Regulation (EC) Nr. 1272/2008

 Prepared by:
 Regulatory Department Biotium Inc.

 Version no.
 6

 Revision date (Initials)
 10/30/2023 (JD)

 Reason for revision
 Update to new document template.

The information provided above is believed to be correct to our best knowledge, but does not purport to be all inclusive, and shall be used only as a guide. This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. Biotium shall not be held liable for any damage resulting from handling or contact with the above product.



btinfo@biotium.com http://www.biotium.com/

SAFETY DATA SHEET

Date Revised: October 30, 2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	AccuClear Dye, 100X in DMSO	
Catalog Number:	99977/99977-T	
Unit Size:	1 mL/0.5 mL	
Manufacturer/Supplier:	Biotium, Inc.	
	46117 Landing Parkway, Fremont, CA 94538, USA	
	Phone: 1-510-265-1027, Fax: 1-510-265-1352	
	Web: http://www.biotium.com	

Use as laboratory reagent. For research use only. Not for food, drug, household, or cosmetic use.

2. HAZARDS IDENTIFICATION

GHS classification	None	
Signal word	None	
Health hazards	None	
Physical hazards	None	
Hazard statements	None	
Precautionary staten	nents	None
GHS hazard pictogra	ım	None

WHMIS classification Flammable liquids - Category 4

NFPA Rating Health hazard: 2 Fire: 2 Reactivity Hazard: 0

Classification according to Regulation (EC) No 1272/2008[CLP] NoneLabeling according to Regulation (EC) No 1272/2008[CLP]Hazard pictogramNoneSignal wordNoneHazard statementsNonePrecautionary statementsNone

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS No.	EC No.	Weight %	Classification
DMSO	67-68-5	200-664-3	>99%	Flammable liquids - Category 4 (WHMIS)

4. FIRST- AID MEASURES

General advice

Remove affected clothing and launder before reuse.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration and seek medical care.

46117 Landing Parkway, Fremont, CA 94538, U.S.A. Tel: 1-510-265-1027; Fax: 1-510-265-1352 btinfo@biotium.com http://www.biotium.com/

In case of skin contact Wash off with soap and plenty of water. If irritation persists, seek medical care. In case of eye contact Flush eyes with water for 15 minutes. If irritation persists, seek medical care. If swallowed Do NOT induce vomiting. Rinse mouth with water. Seek medical care.

5. FIREFIGHTING MEASURES

Suitable extinguishing media

carbon dioxide, dry chemical extinguishers, foam extinguishers or water.

Special protective equipment for firefighters

Burning produces poisonous gases, sulfur oxides. Wear self contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid breathing vapors, mist or gas. Remove all sources of ignition.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up

Contain spillage. Soak up spilled substance with inert absorbent material. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid inhalation of vapor or mist. Avoid direct contact with substance.

Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Store at 4° C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Substance: Dimethylsulfoxide

CAS no. 67-68-5

0/10/110.	01 00 0						
Country	Austria	Denmark	Finland	Germany (AGS)	Germany (DFG)	Sweden	Switzerland
Limit	50 ppm	50 ppm	50 ppm	50 ppm (1)	50 ppm (1)	50 ppm	50 ppm
value,	160	160		160 mg/m3 (1)	160 mg/m3 (1)	150 mg/m3	160 mg/m3
8hours	mg/m3	mg/m3				-	_
Limit value,	-	100 ppm	-	100 ppm (1)(2)	100 ppm (1)(2)	150 ppm (1)	100 ppm
short term		320		320 mg/m3	320 mg/m3	500 mg/m3 (1)	320 mg/m3
		mg/m3		(1)(2)	(1)(2)		_

Germany (AGS): (1) Skin (2) 15 minutes average value Germany (DFG): (1) Skin (2) 15 minutes average value

Sweden: (1) 15 minutes average value

Personal protective equipment Hand protection



btinfo@biotium.com http://www.biotium.com/

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	AccuClear Dye, 100X in DMSO
Appearance	Orange liquid
Odor	No information available
Odor threshold	No information available
рН	No information available
Melting point/freezing point	No information available
Boiling point	No information available
Flash point	No information available
Evaporate rate	No information available
Flammability	No information available
Explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Solubility	Water soluble
Partition coefficient:n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

10. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions. Possibility of hazardous reactions No data available Conditions to avoid Heat, flames and sparks. Materials to avoid No data available Hazardous decomposition products Hazardous decomposition products formed under fire conditions. - Carbon oxides Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

46117 Landing Parkway, Fremont, CA 94538, U.S.A. Tel: 1-510-265-1027; Fax: 1-510-265-1352 btinfo@biotium.com http://www.biotium.com/

Acute toxicity Oral LD50 Rat - male and female - 28,300 mg/kg (OECD Test Guideline 401) Inhalation LC50 Rat - male and female - 4 h - > 5.33 mg/l (OECD Test Guideline 403) Rat - male and female - 40,000 mg/kg Remarks: (ECHA) Dermal LD50 Other information on acute toxicity No data available Skin corrosion/irritation Skin – Rabbit Result: slight irritation - 4 h (OECD Test Guideline 404) Serious eye damage/eye irritation Eyes - Rabbit Result: slight irritation - 24 h (OECD Test Guideline 405) Respiratory or skin sensitization Maximization Test - Guinea pig Result: negative (OECD Test Guideline 406) Local lymph node assay (LLNA) - Mouse **Result:** negative (OECD Test Guideline 429) Germ cell mutagenicity Test Type: Ames test Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative Test Type: sister chromatid exchange assay Test system: Chinese hamster ovary cells Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 479 **Result:** negative Test Type: Mutagenicity (mammal cell test): chromosome aberration. Test system: Chinese hamster ovary cells Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 473 Result: negative Test Type: Mutagenicity (in vivo mammalian bone-marrow cytogenetic test, chromosomal analysis) Species: Rat **Application Route: Intraperitoneal** Method: OECD Test Guideline 474

Result: negative

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity No data available

Specific target organ toxicity - single exposure (Globally Harmonized System)

46117 Landing Parkway, Fremont, CA 94538, U.S.A. Tel: 1-510-265-1027; Fax: 1-510-265-1352 btinfo@biotium.com http://www.biotium.com/

No data available Specific target organ toxicity - repeated exposure (Globally Harmonized System) No data available Aspiration hazard No data available Potential health effects Inhalation: May be harmful if inhaled. May cause respiratory tract irritation. Ingestion: May be harmful if swallowed. Skin: May be harmful if absorbed through skin. May cause skin irritation. Eyes: May cause eye irritation. **Additional Information** Repeated dose toxicity - Rat - male and female - Oral - 18 Months - NOAEL (No observed adverse effect level) - 3,300 mg/kg - LOAEL (Lowest observed adverse effect level) - 9,900 mg/kg Repeated dose toxicity - Monkey - male and female - Dermal - 18 Months - NOAEL (No observed adverse effect level) - >= 8,910 mg/kg - LOAEL (Lowest observed adverse effect level) - 990 ma/ka Exposure to large amounts can cause:, redness of skin, Itching, burning, sedation, Headache, Nausea, Dizziness To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Eyes - Eye disease - Based on Human Evidence

RTECS: PV6210000 (DMSO)

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish: static test LC50 - Danio rerio (zebra fish) - > 25,000 mg/l - 96 h (OECD Test Guideline 203) Toxicity to daphnia and other aquatic invertebrates: static test EC50 - Daphnia magna (Water flea) - 24,600 mg/l - 48 h (OECD Test Guideline 202) Toxicity to algae static test ErC50 - Pseudokirchneriella subcapitata (green algae) -17,000 mg/l - 72 h (OECD Test Guideline 201) Toxicity to bacteria EC50 - activated sludge - 10 - 100 mg/l - 30 min (ISO 8192)

 Persistence and degradability
 No information available

 Bioaccumulative potential
 aerobic - Exposure time 28 d

 Result: 31 % - Not readily biodegradable.
 (OECD Test Guideline 301D)

 Mobility in soil
 No information available

 Results of PBT and vPvB assessment
 No information available

 Other adverse effects
 No information available

 Additional information
 No information available

 Stability in water - 0.12 - 1.2 h at 30 °C pH 7

 Remarks: Hydrolyzes readily.

13. DISPOSAL CONSIDERATIONS

Do not dispose product directly into sewage. Consult local state or national regulation for proper disposal.

14. TRANSPORT INFORMATION



btinfo@biotium.com http://www.biotium.com/

 IATA, IMDG, DOT (US), TDG
 Not dangerous goods during transportation

 UN number
 None

 UN proper shipping name
 None

 Transport hazard class
 None

 Packing group
 None

 Environmental hazards
 None

 Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code
 None

 Special precaution for user
 None

15. REGULATION INFORTMATION

US Federal Regulations US Toxic Substances Control Act (TSCA): Not listed SARA 302: No chemicals were found. SARA 313: No chemicals were found. SARA 311/312: DMSO: fire hazard, chronic health hazard

WHMIS Hazard Class Flammable liquids - Category 4

16. OTHER INFORMATION

Classification according to Regulation (EC) Nr. 1272/2008

Prepared by:	Regulatory Department		
	Biotium	Inc.	
Version no.	7		
Revision date (Init	ials)	10/30/2023 (JD)	
Reason for revision	n	Updated to new document template.	

The information provided above is believed to be correct to our best knowledge, but does not purport to be all inclusive, and shall be used only as a guide. This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. Biotium shall not be held liable for any damage resulting from handling or contact with the above product.



btinfo@biotium.com http://www.biotium.com/

SAFETY DATA SHEET

Date Revised: October 30, 2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	AccuClear dsDNA Standard	
Catalog Number:	31029C	
Unit Size:	1 mL	
Manufacturer/Supplier:	: Biotium, Inc.	
	46117 Landing Parkway, Fremont, CA 94538, USA	
	Phone: 1-510-265-1027, Fax: 1-510-265-1352	
	Web: http://www.biotium.com	

Use as laboratory reagent. For research use only. Not for food, drug, household, or cosmetic use.

2. HAZARDS IDENTIFICATION

GHS classification		
Signal word	None	
Health hazards	None	
Physical hazards	None	
Hazard statements	None	
Precautionary staten	nents	None
GHS hazard pictogra	am	None

WHMIS classification None

NFPA Rating Health hazard: 0 Fire: 0 Reactivity Hazard: 0

Classification according to Regulation (EC) No 1272/2008[CLP] NoneLabeling according to Regulation (EC) No 1272/2008[CLP]Hazard pictogramNoneSignal wordNoneHazard statementsNonePrecautionary statementsNone

3. COMPOSITION/INFORMATION ON INGREDIENTS

No ingredients present at concentrations classified as hazardous to health or the environment.

4. FIRST- AID MEASURES

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area. **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.



btinfo@biotium.com http://www.biotium.com/

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

Suitable extinguishing media

Carbon dioxide, dry chemical extinguishers, foam extinguishers or water.

Special protective equipment for firefighters

Wear self contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid breathing vapors, mist or gas. Remove all sources of ignition. **Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. **Methods and materials for containment and cleaning up** Contain spillage. Soak up spilled substance with inert absorbent material. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid inhalation of vapor or mist. Avoid direct contact with substance. **Conditions for safe storage** Keep container tightly closed in a dry and well-ventilated place. Store at 4°C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Substance None

Personal protective equipment

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye protection



btinfo@biotium.com http://www.biotium.com/

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	AccuClear dsDNA
	Standards
Appearance	Clear liquid
Odor	No information available
Odor threshold	No information available
рН	No information available
Melting point/freezing point	No information available
Boiling point	No information available
Flash point	No information available
Evaporate rate	No information available
Flammability	No information available
Explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Solubility	Water soluble
Partition coefficient:n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions. Possibility of hazardous reactions No data available Conditions to avoid Heat, flames and sparks. Materials to avoid No data available Hazardous decomposition products Hazardous decomposition products formed under fire conditions. - Carbon oxides Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity Oral LD50 None Inhalation LC50 None Dermal LD50 None Other information on acute toxicity

No data available



btinfo@biotium.com http://www.biotium.com/

Skin corrosion/irritation No data available Serious eye damage/eye irritation No data available Respiratory or skin sensitization No data available Germ cell mutagenicity No data available Carcinogenicity IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Reproductive toxicity No data available Specific target organ toxicity - single exposure (Globally Harmonized System) No data available Specific target organ toxicity - repeated exposure (Globally Harmonized System) No data available Aspiration hazard No data available Potential health effects Inhalation: May be harmful if inhaled. May cause respiratory tract irritation. Ingestion: May be harmful if swallowed. Skin: May be harmful if absorbed through skin. May cause skin irritation. Eves: May cause eve irritation. **Additional Information RTECS: None**

12. ECOLOGICAL INFORMATION

ToxicityNo information availablePersistence and degradabilityNo information availableBioaccumulative potentialNo information availableMobility in soilNo information availableResults of PBT and vPvB assessmentNo information availableOther adverse effectsNo information availableAdditional informationNo information available

13. DISPOSAL CONSIDERATIONS

Do not dispose product directly into sewage. Consult local state or national regulation for proper disposal.

14. TRANSPORT INFORMATION

 IATA, IMDG, DOT (US), TDG
 Not dangerous goods during transportation

 UN number
 None

 UN proper shipping name
 None

 Transport hazard class
 None

 Packing group
 None

 Environmental hazards
 None

 Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code
 None

 Special precaution for user
 None

46117 Landing Parkway, Fremont, CA 94538, U.S.A. Tel: 1-510-265-1027; Fax: 1-510-265-1352 btinfo@biotium.com http://www.biotium.com/

15. REGULATION INFORTMATION

US Federal Regulations

US Toxic Substances Control Act (TSCA): Not listed SARA 302: No chemicals were found. SARA 313: No chemicals were found. SARA 311/312: No chemicals were found

WHMIS Hazard Class None

16. OTHER INFORMATION

Classification according to Regulation (EC) Nr. 1272/2008 Refer to section 2 and section 3

 Prepared by:
 Regulatory Department Biotium Inc.

 Version no.
 4

 Revision date (Initials) Reason for revision
 10/30/23 (JD) Updated to new document template.

The information provided above is believed to be correct to our best knowledge, but does not purport to be all inclusive, and shall be used only as a guide. This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. Biotium shall not be held liable for any damage resulting from handling or contact with the above product.