SAFETY DATA SHEETS

Chromium Next GEM Single Cell Multiome Amp Kit A, 16 rxns PN-1000233 Chromium Next GEM Single Cell Multiome Amp Kit A, 4 rxns PN-1000237

REAGENTS	PN
Pre-Amp Mix	2000274
Pre-Amp Primers	2000271
Amp Mix	2000103
SI-PCR Primer B	2000128
cDNA Primers	2000089





OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 06/17/2020 Reviewed on 06/17/2020

ldentification

- · Product Identifier
- Trade Name: Pre-Amp Mix
- · Product Number: 2000270, 2000274
- · Relevant identified uses of the substance or mixture and uses advised against:
- · **Product Description:** No further relevant information available.
- · Details of the Supplier of the Safety Data Sheet:
- · Manufacturer/Supplier:

10x Genomics

6230 Stoneridge Mall Road

Pleasanton, CA 94588 USA

1 925 401 7300

https://www.10xgenomics.com/

Emergency telephone number: 1 925 401 7300

' Hazard(s) Identification

- · Classification of the substance or mixture: Non-Regulated Material
- · Label elements:
- · Hazard pictograms: Non-Regulated Material
- · Signal word: Non-Regulated Material
- · Hazard statements: Non-Regulated Material
- · Unknown acute toxicity:

This value refers to knowledge of known, established toxicological or ecotoxicological values.

0 % of the mixture consists of component(s) of unknown toxicity.

- · Classification system: NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
- · NFPA ratings (scale 0 4)



Health = 0Fire = 0Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = 0 Fire = 0

REACTIVITY 0

Physical Hazard = 0

· Hazard(s) not otherwise classified (HNOC): None known

3 Composition/Information on Ingredients

- · Chemical characterization: Mixtures
- · Description: Mixture of substances listed below with non-hazardous additions.

Dangerous Components:

CAS: 56-81-5 Glycerol RTECS: MA 8050000

1-10%

· Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

First-Aid Measures

- · Description of first aid measures
- · General information: If symptoms persist, call a physician.



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 06/17/2020 Reviewed on 06/17/2020

Trade Name: Pre-Amp Mix

- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact: If skin irritation occurs, consult a doctor.
- · After eye contact:

If eye irritation occurs, consult a doctor.

Rinse opened eye for several minutes under running water.

- · After swallowing: If swallowed and symptoms occur, consult a doctor.
- · Information for doctor
- · Most important symptoms and effects, both acute and delayed: No further relevant information available.
- · Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

5 Fire-Fighting Measures

- · Extinguishing media
- · Suitable extinguishing agents: Use fire fighting measures that suit the environment.
- For safety reasons unsuitable extinguishing agents: No further relevant information.
- · Special hazards arising from the substance or mixture: No further relevant information available.
- · Advice for firefighters
- · Special protective equipment for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental Release Measures

- · Personal precautions, protective equipment and emergency procedures: Not required.
- Environmental precautions: No special measures required.
- Methods and material for containment and cleaning up:

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).

Dispose of the collected material according to regulations.

Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

· Protective Action Criteria for Chemicals

· PAC-1:

All components have the value 45 mg/m³.

PAC-2:

All components have the value 180 mg/m³.

· PAC-3:

All components have the value 1,100 mg/m³.

7 Handling and Storage

- · Handling
- · Precautions for safe handling: No special precautions are necessary if used correctly.
- · Information about protection against explosions and fires: No special measures required.
- Conditions for safe storage, including any incompatibilities
- · Storage
- · Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: None.

(Contd. on page 3)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 06/17/2020 Reviewed on 06/17/2020

Trade Name: Pre-Amp Mix

· Specific end use(s): No further relevant information available.

8 Exposure Controls/Personal Protection

- · Additional information about design of technical systems: No further data; see section 7.
- · Control parameters:
- · Components with occupational exposure limits:

56-81-5 Glycerol

PEL Long-term value: 15* 5** mg/m³ mist; *total dust **respirable fraction

TLV TLV withdrawn-insufficient data human occup. exp.

- · Additional information: The lists that were valid during the creation of this SDS were used as basis.
- · Exposure controls:
- · Personal protective equipment
- General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Wash hands before breaks and at the end of work.

- · Breathing equipment: Not required.
- · Protection of hands: Not required.
- · Material of gloves: Not applicable.
- · Penetration time of glove material: Not applicable.
- · Eye protection:



Goggles recommended during refilling.

· Limitation and supervision of exposure into the environment: None

9 Physical and Chemical Properties

- · Information on basic physical and chemical properties
- · General Information
- · Appearance:

Form: Liquid

Color: Not determined.
Odor: Not determined.
Odor threshold: Not determined.
pH-value: Not determined.

· Change in condition

Melting point/Melting range: Not determined. Boiling point/Boiling range: Not determined.

· Flash point: None

Flammability (solid, gaseous): Not applicable.
 Ignition temperature: Not applicable
 Decomposition temperature: Not determined.

· **Auto igniting:** Product is not self-igniting.

• Danger of explosion: Product does not present an explosion hazard.

(Contd. on page 4)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 06/17/2020 Reviewed on 06/17/2020

Trade Name: Pre-Amp Mix

· Explosion limits:

Lower: Not determined.Upper: Not determined.Vapor pressure: Not determined.

· Density:

Relative density:Not determined.Vapor density:Not determined.Evaporation rate:Not determined.

· Solubility in / Miscibility with:

Water: Not miscible or difficult to mix.

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

Dynamic: Not determined. **Kinematic:** Not determined.

· Solvent content:

Organic solvents: 1-10 % VOC content: 0.00 %

· Other information: No further relevant information available.

10 Stability and Reactivity

- · Reactivity: No further relevant information available.
- · Chemical stability: Product is stable under normal conditions.
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions: No dangerous reactions known.
- · Conditions to avoid: No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological Information

- · Information on toxicological effects:
- · Acute toxicity:

· LD/LC50	values that are	relevant for classification:	
56-81-5 G	lycerol		
Oral	LD50	12,600 mg/kg (Rat)	
Dermal	LD50	>10,000 mg/kg (Rabbit)	
Inhalative	LC50/96 hours	>50,000 mg/l (Trout)	

- · Primary irritant effect:
- · On the skin: No irritating effect.
- On the eye: No irritating effect.
- · Additional toxicological information:
- Carcinogenic categories:

· IARC (International Agency	for Research on Cancer):
None of the ingredients are lis	ted.

· NTP (National Toxicology Program):

None of the ingredients are listed.

(Contd. on page 5)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 06/17/2020 Reviewed on 06/17/2020

Trade Name: Pre-Amp Mix

· OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

<u>12 Eco</u>logical Information

- · Toxicity:
- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability: No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential: No further relevant information available.
- · Mobility in soil: No further relevant information available.
- Additional ecological information:
- · General notes:

Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.

- · Results of PBT and vPvB assessment:
- · PBT: Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects: No further relevant information available.

13 Disposal Considerations

- · Waste treatment methods
- · Recommendation:

Observe all federal, state and local environmental regulations when disposing of this material.

- · Uncleaned packaging
- · **Recommendation:** Disposal must be made according to official regulations.

<u>14 Transport Information</u>

· UN-Number:

· DOT, ADR/ADN, IMDG, IATA Non-Regulated Material

· UN proper shipping name:

DOT, ADR/ADN, IMDG, IATA Non-Regulated Material

· Transport hazard class(es):

· DOT, ADR/ADN, ADN, IMDG, IATA

· Class: Non-Regulated Material

· Packing group:

· DOT, ADR/ADN, IMDG, IATA Non-Regulated Material

Environmental hazards: Not applicable.Special precautions for user: Not applicable.

· Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code: Not applicable.

· UN "Model Regulation": Non-Regulated Material

15 Regulatory Information

- Safety, health and environmental regulations/legislation specific for the substance or mixture:
- · SARA (Superfund Amendments and Reauthorization):
- · Section 355 (extremely hazardous substances):

None of the ingredients are listed.

(Contd. on page 6)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 06/17/2020 Reviewed on 06/17/2020

Trade Name: Pre-Amp Mix

Section 313 (Specific toxic chemical listings): None of the ingredients are listed. · TSCA (Toxic Substances Control Act): All components have the value ACTIVE. · Hazardous Air Pollutants None of the ingredients are listed. · California Proposition 65: · Chemicals known to cause cancer: None of the ingredients are listed. · Chemicals known to cause reproductive toxicity for females: None of the ingredients are listed. · Chemicals known to cause reproductive toxicity for males: None of the ingredients are listed. · Chemicals known to cause developmental toxicity: None of the ingredients are listed. · New Jersey Right-to-Know List: All ingredients are listed. · New Jersey Special Hazardous Substance List: None of the ingredients are listed. · Pennsylvania Right-to-Know List:

- All ingredients are listed.
- · Pennsylvania Special Hazardous Substance List:

None of the ingredients are listed.

- · Carcinogenic categories:
- · EPA (Environmental Protection Agency):

None of the ingredients are listed.

· TLV (Threshold Limit Value established by ACGIH):

None of the ingredients are listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients are listed.

- · GHS label elements Non-Regulated Material
- · Hazard pictograms: Non-Regulated Material
- · Signal word: Non-Regulated Material
- · Hazard statements: Non-Regulated Material
- · National regulations:

None of the ingredients are listed.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

<u>16 Other Information</u>

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

Date of last revision/revision number: 06/17/2020 / -



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 06/17/2020 Reviewed on 06/17/2020

Trade Name: Pre-Amp Mix

· Abbreviations and acronyms:

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, ÉU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety & Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

* Data compared to the previous version altered.

SDS created by MSDS Authoring Services www.msdsauthoring.com +1-877-204-9106



OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 04/07/2020

Reviewed on 04/07/2020

dentification

- · Product Identifier
- · Trade Name: Pre-Amp Primers
- · Product Number: 2000271
- · Relevant identified uses of the substance or mixture and uses advised against:
- · **Product Description:** Not relevant information.
- · Details of the Supplier of the Safety Data Sheet:
- · Manufacturer/Supplier:

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Emergency telephone number: 1 925 401 7300

' Hazard(s) Identification

- · Classification of the substance or mixture: Non-Regulated Material
- · Label elements:
- · Hazard pictograms: Non-Regulated Material
- · Signal word: Non-Regulated Material
- · Hazard statements: Non-Regulated Material
- · Unknown acute toxicity:

This value refers to knowledge of known, established toxicological or ecotoxicological values.

0 % of the mixture consists of component(s) of unknown toxicity.

- · Classification system: NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
- · NFPA ratings (scale 0 4)



Health = 0 Fire = 0Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = 0 Fire = 0

REACTIVITY 0

Physical Hazard = 0

· Hazard(s) not otherwise classified (HNOC): None known

3 Composition/Information on Ingredients

- · Chemical characterization: Mixtures
- · Description: Mixture of substances listed below with non-hazardous additions.

· Dangerous Components:

Trade Secret

Skin Irrit. 2, H315; STOT SE 3, H335; Eye Irrit. 2B, H320

≤2.5%

Additional information:

Trade secret made in accordance with paragraph (i) of §1910.1200 of 29 CFR 1910.1200, the OSHA Hazard Communication Standard and U.S. Code of Federal Regulations.

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

(Contd. on page 2)



OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 04/07/2020 Reviewed on 04/07/2020

Trade Name: Pre-Amp Primers

4 First-Aid Measures

- · Description of first aid measures
- · General information: If symptoms persist, call a physician.
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact: If skin irritation occurs, consult a doctor.
- · After eye contact:

If eye irritation occurs, consult a doctor.

Rinse opened eye for several minutes under running water.

- · After swallowing: If swallowed and symptoms occur, consult a doctor.
- · Information for doctor
- · Most important symptoms and effects, both acute and delayed: No further relevant information available.
- · Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

5 Fire-Fighting Measures

- · Extinguishing media
- · Suitable extinguishing agents: Use fire fighting measures that suit the environment.
- For safety reasons unsuitable extinguishing agents: No further relevant information.
- · Special hazards arising from the substance or mixture: No further relevant information available.
- Advice for firefighters
- Special protective equipment for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental Release Measures

- · Personal precautions, protective equipment and emergency procedures: Not required.
- · Environmental precautions: Dilute with plenty of water.
- Methods and material for containment and cleaning up:

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).

Dispose of the collected material according to regulations.

· Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

· Protective Action Criteria for Chemicals

· PAC-1:	
Trade Secret	6.9 mg/m³
Trade Secret	12 mg/m³
· PAC-2:	
Trade Secret	76 mg/m³
Trade Secret	130 mg/m³
· PAC-3:	
Trade Secret	460 mg/m³
Trade Secret	790 mg/m³

7 Handling and Storage

- · Handling
- · Precautions for safe handling: No special precautions are necessary if used correctly.



OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 04/07/2020 Reviewed on 04/07/2020

Trade Name: Pre-Amp Primers

- Information about protection against explosions and fires: No special measures required.
- · Conditions for safe storage, including any incompatibilities
- · Storage
- Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: None.
- · Specific end use(s): No further relevant information available.

8 Exposure Controls/Personal Protection

- · Additional information about design of technical systems: No further data; see section 7.
- · Control parameters:
- · Components with occupational exposure limits:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- · Additional information: The lists that were valid during the creation of this SDS were used as basis.
- · Exposure controls:
- · Personal protective equipment
- General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Wash hands before breaks and at the end of work.

- · Breathing equipment: Not required.
- Protection of hands: Not required.
- Material of gloves: Not applicable.
- · Penetration time of glove material: Not applicable.
- Eye protection:



Goggles recommended during refilling.

· Limitation and supervision of exposure into the environment: None

9 Physical and Chemical Properties

- · Information on basic physical and chemical properties
- · General Information
- · Appearance:

Form:
Color:
Color:
Odor:
Odor threshold:

PH-value:

Liquid
Colorless
Odorless
Not determined.

· Change in condition

Melting point/Melting range: Not determined. **Boiling point/Boiling range:** Not determined.

· Flash point: None

Flammability (solid, gaseous): Not applicable.Ignition temperature: Not applicable

(Contd. on page 4)



OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 04/07/2020 Reviewed on 04/07/2020

Trade Name: Pre-Amp Primers

· **Decomposition temperature:** Not determined.

· Auto igniting: Product is not self-igniting.

• Danger of explosion: Product does not present an explosion hazard.

· Explosion limits:

Lower: Not determined.

Upper: Not determined.

Vapor pressure: Not determined.

Density:

Relative density:Not determined.Vapor density:Not determined.Evaporation rate:Not determined.

· Solubility in / Miscibility with:

Water: Fully miscible.Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

Dynamic: Not determined. **Kinematic:** Not determined.

· Solvent content:

VOC content: 0.00 %

Other information:
 No further relevant information available.

10 Stability and Reactivity

- · Reactivity: No further relevant information available.
- · Chemical stability: Product is stable under normal conditions.
- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions: No dangerous reactions known.
- · Conditions to avoid: No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological Information

- · Information on toxicological effects:
- · Acute toxicity:
- LD/LC50 values that are relevant for classification: No data available.
- · Primary irritant effect:
- · On the skin: No irritating effect.
- On the eye: No irritating effect.
- Additional toxicological information:
- · Carcinogenic categories:
- · IARC (International Agency for Research on Cancer):

None of the ingredients are listed.

· NTP (National Toxicology Program):

None of the ingredients are listed.

(Contd. on page 5)



OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 04/07/2020 Reviewed on 04/07/2020

Trade Name: Pre-Amp Primers

· OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

12 Ecological Information

- · Toxicity:
- · Aquatic toxicity: No further relevant information available.
- Persistence and degradability: No further relevant information available.
- Behavior in environmental systems:
- · Bioaccumulative potential: No further relevant information available.
- · *Mobility in soil:* No further relevant information available.
- · Additional ecological information:
- · General notes: Generally not hazardous for water.
- · Results of PBT and vPvB assessment:
- · **PBT:** Not applicable.
- vPvB: Not applicable.
- · Other adverse effects: No further relevant information available.

<u>13 Disp</u>osal Considerations

- · Waste treatment methods
- · Recommendation:

Observe all federal, state and local environmental regulations when disposing of this material.

- · Uncleaned packaging
- · Recommendation: Disposal must be made according to official regulations.
- · Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport Information

· UN-Number:

· DOT, ADR/ADN, IMDG, IATA Non-Regulated Material

· UN proper shipping name:

· DOT, ADR/ADN, IMDG, IATA Non-Regulated Material

· Transport hazard class(es):

· DOT, ADR/ADN, ADN, IMDG, IATA

· Class: Non-Regulated Material

· Packing group:

· DOT, ADR/ADN, IMDG, IATA Non-Regulated Material

Environmental hazards: Not applicable. Special precautions for user: Not applicable.

· Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code: Not applicable.

· UN "Model Regulation": Non-Regulated Material

15 Regulatory Information

- · Safety, health and environmental regulations/legislation specific for the substance or mixture:
- SARA (Superfund Amendments and Reauthorization):
- · Section 355 (extremely hazardous substances):

None of the ingredients are listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

(Contd. on page 6)



OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 04/07/2020 Reviewed on 04/07/2020

Trade Name: Pre-Amp Primers

· TSCA (Toxic Substances Control Act):	
All components have the value ACTIVE.	

· Hazardous Air Pollutants

None of the ingredients are listed.

- · California Proposition 65:
- · Chemicals known to cause cancer:

None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

New Jersey Right-to-Know List:

None of the ingredients are listed.

· New Jersey Special Hazardous Substance List:

None of the ingredients are listed.

· Pennsylvania Right-to-Know List:

None of the ingredients are listed.

· Pennsylvania Special Hazardous Substance List:

None of the ingredients are listed.

- Carcinogenic categories:
- · EPA (Environmental Protection Agency):

None of the ingredients are listed.

• TLV (Threshold Limit Value established by ACGIH):

None of the ingredients are listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients are listed.

- · GHS label elements Non-Regulated Material
- · Hazard pictograms: Non-Regulated Material
- Signal word: Non-Regulated Material
- · Hazard statements: Non-Regulated Material
- · National regulations:

None of the ingredients are listed.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

- Date of last revision/ revision number: 04/07/2020 / -
- · Abbreviations and acronyms:

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways



OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 04/07/2020 Reviewed on 04/07/2020

Trade Name: Pre-Amp Primers

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety & Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit REL: Recommended Exposure Limit

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2B: Serious eye damage/eye irritation - Category 2B

STOT SE 3: Specific target organ toxicity (single exposure) - Category 3

* Data compared to the previous version altered.

SDS created by MSDS Authoring Services www.msdsauthoring.com +1-877-204-9106



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 07/01/2020 Reviewed on 07/01/2020

1 Identification

- · Product Identifier
- · Trade Name: Amp Mix
- · Product Number:

2000047 2000103 2000131

- · Relevant identified uses of the substance or mixture and uses advised against:
- · **Product Description:** No Further Information
- · Application of the substance / the mixture: Industry Specific Application
- · Details of the Supplier of the Safety Data Sheet:
- · Manufacturer/Supplier:

10x Genomics

6230 Stoneridge Mall Road

Pleasanton, CA 94588 USA

1 925 401 7300

https://www.10xgenomics.com/

· Emergency telephone number: 1 925 401 7300

2 Hazard(s) Identification

· Classification of the substance or mixture:



Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2B H320 Causes eye irritation.

- · Label elements:
- · Hazard pictograms:



- · Signal word: Warning
- · Hazard statements:

H315+H320 Causes skin and eye irritation.

· Precautionary statements:

P264 Wash thoroughly after handling.

P280 Wear protective gloves.

P302+P352 If on skin: Wash with plenty of water.

P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet). P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P332+P313 If skin irritation occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P337+P313 If eye irritation persists: Get medical advice/attention.

Unknown acute toxicity:

This value refers to knowledge of known, established toxicological or ecotoxicological values.

0 % of the mixture consists of component(s) of unknown toxicity.

· Classification system: NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

(Contd. on page 2)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 07/01/2020 Reviewed on 07/01/2020

Trade Name: Amp Mix

· NFPA ratings (scale 0 - 4)



Health = 1 Fire = 0 Reactivity = 0

· HMIS-ratings (scale 0 - 4)



1 Health = 1 0 Fire = 0

Physical Hazard = 0

· Hazard(s) not otherwise classified (HNOC): None known

3 Composition/Information on Ingredients

- · Chemical characterization: Mixtures
- · Description: Mixture of substances listed below with non-hazardous additions.

· Dangerous Compone	Dangerous Components:		
CAS: 56-81-5 RTECS: MA 8050000	Glycerol	1-10%	
CAS: 9016-45-9	Nonylphenoxypoly(ethyleneoxy)ethanol	Proprietary%	
CAS: 7664-93-9	Sulfuric acid Skin Corr. 1A, H314	Proprietary%	

· Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

4 First-Aid Measures

- · Description of first aid measures
- · After inhalation:

In case of unconsciousness place patient stably in the side position for transportation.

Supply fresh air; consult doctor in case of complaints.

After skin contact:

Wash with soap and water.

If skin irritation occurs, consult a doctor.

· After eye contact:

Rinse opened eye for several minutes under running water.

If easy to do so, remove contact lenses if worn.

If eye irritation occurs, consult a doctor.

· After swallowing:

If swallowed and symptoms occur, consult a doctor.

Do not induce vomiting without medical advice.

- · Information for doctor
- · Most important symptoms and effects, both acute and delayed: No further relevant information available.
- Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

5 Fire-Fighting Measures

- · Extinguishing media
- · Suitable extinguishing agents: Use fire fighting measures that suit the environment.

(Contd. on page 3)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 07/01/2020 Reviewed on 07/01/2020

Trade Name: Amp Mix

- · For safety reasons unsuitable extinguishing agents: No further relevant information.
- · Special hazards arising from the substance or mixture: No further relevant information available.
- Advice for firefighters
- · Special protective equipment for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental Release Measures

· Personal precautions, protective equipment and emergency procedures:

Do not inhale gases / fumes /aerosols

Avoid contact with skin, eyes and clothing.

- · Environmental precautions: Dilute with plenty of water.
- · Methods and material for containment and cleaning up:

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).

Dispose of the collected material according to regulations.

Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Protective Action Criteria for Chemicals

· PAC-1:		
56-81-5	Glycerol	45 mg/m³
9016-45-9	Nonylphenoxypoly(ethyleneoxy)ethanol	43 mg/m³
7664-93-9	Sulfuric acid	0.20 mg/m ³
· PAC-2:		
56-81-5	Glycerol	180 mg/m³
9016-45-9	Nonylphenoxypoly(ethyleneoxy)ethanol	470 mg/m³
7664-93-9	Sulfuric acid	8.7 mg/m³
PAC-3:		
56-81-5	Glycerol	1,100 mg/m³
9016-45-9	Nonylphenoxypoly(ethyleneoxy)ethanol	5,400 mg/m³
7664-93-9	Sulfuric acid	160 mg/m³

7 Handling and Storage

- · Handling
- · Precautions for safe handling: Avoid release into the environment.
- · Information about protection against explosions and fires: No special measures required.
- · Conditions for safe storage, including any incompatibilities
- · Storage
- Requirements to be met by storerooms and receptacles: Store at room temperature.
- Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: None.
- · Specific end use(s): No further relevant information available.

8 Exposure Controls/Personal Protection

· Additional information about design of technical systems: No further data; see section 7.

(Contd. on page 4)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 07/01/2020 Reviewed on 07/01/2020

Trade Name: Amp Mix

· Control parameters:

· Components with occupational exposure limits:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the remaining constituents have no known exposure limits.

56-81-5 Glycerol

PEL Long-term value: 15* 5** mg/m³ mist; *total dust **respirable fraction

TLV TLV withdrawn-insufficient data human occup. exp.

7664-93-9 Sulfuric acid

PEL Long-term value: 1 mg/m³
REL Long-term value: 1 mg/m³
TLV Long-term value: 0.2* mg/m³
*as thoracic fraction

- · Additional information: The lists that were valid during the creation of this SDS were used as basis.
- · Exposure controls:
- · Personal protective equipment
- General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Wash hands before breaks and at the end of work.

- · Breathing equipment: Not required.
- Protection of hands:



Protective gloves

· Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

Eye protection:



Safety glasses

· Limitation and supervision of exposure into the environment: None

9 Physical and Chemical Properties

- · Information on basic physical and chemical properties
- · General Information
- · Appearance:

Form: Liquid

Color: Clear, colorless
Odor: Odorless

(Contd. on page 5)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 07/01/2020 Reviewed on 07/01/2020

Trade Name: Amp Mix

Odor threshold: Not determined.pH-value: Not applicable.

· Change in condition

Melting point/Melting range: Not determined.
Boiling point/Boiling range: Not determined.

· Flash point: None

Flammability (solid, gaseous): Not applicable.
 Ignition temperature: Not applicable
 Decomposition temperature: Not determined.

· **Auto igniting:** Product is not self-igniting.

• Danger of explosion: Product does not present an explosion hazard.

· Explosion limits:

Lower: Not determined.Vapor pressure: Not determined.

· Density:

Relative density:Not determined.Vapor density:Not determined.Evaporation rate:Not determined.

· Solubility in / Miscibility with:

Water: Fully miscible.Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

Dynamic: Not determined. **Kinematic:** Not determined.

• Other information: No further relevant information available.

10 Stability and Reactivity

- · Reactivity: No further relevant information available.
- · Chemical stability: Stable under normal conditions.
- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions: No dangerous reactions known.
- · Conditions to avoid: Contact with moisture, acids and bases.
- · Incompatible materials:

Strong oxidizing agents, strong reducing agents

Strong acids, strong bases

· Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological Information

- · Information on toxicological effects:
- · Acute toxicity:

· LD/LC5	0 values that	are relevant for classification:	
56-81-5 Glycerol			
Oral	LD50	12,600 mg/kg (Rat)	

(Contd. on page 6)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 07/01/2020 Reviewed on 07/01/2020

Trade Name: Amp Mix

Dermal	LD50	>10,000 mg/kg (Rabbit)
Inhalative	LC50/96 hours	>50,000 mg/l (Trout)
Trade Sec	cret	
Oral	LD50	3,310 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)
Trade Secret		
Oral	LD50 Oral	2,140 ml/kg (Rat)
Inhalative	LC50/96 hours	375 mg/l (Rat) Sulfuric acid is harmful by all routes of entry.

- · Primary irritant effect:
- · On the skin: No irritating effect.
- On the eye: Irritating effect.
- Additional toxicological information:
- · Carcinogenic categories:
- · IARC (International Agency for Research on Cancer):
- Group 1 Carcinogenic to humans
- Group 2A Probably carcinogenic to humans
- Group 2B Possibly carcinogenic to humans
- Group 3 Not classifiable as to its carcinogenicity to humans
- Group 4 Probably not carcinogenic to humans

7664-93-9 Sulfuric acid	3
· NTP (National Toxicology Program):	
None of the ingredients are listed.	
· OSHA-Ca (Occupational Safety & Health Administration):	
None of the ingredients are listed.	

12 Ecological Information

· Toxicity:

· Aquatic toxicity:	
Trade	Secret
EC50 22 mg/l (Daphnia)	
Trade Secret	
EC50 12 mg/l (Algae - Selenastrum capricornutum) (96 HOURS)	
	0.148 mg/l (Daphnia) (48 hours)

- · Persistence and degradability: No further relevant information available.
- Behavior in environmental systems:
- · Bioaccumulative potential: No further relevant information available.
- · Mobility in soil: No further relevant information available.
- Additional ecological information:
- · General notes:

Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.

- · Results of PBT and vPvB assessment:
- · PBT: Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects: No further relevant information available.

(Contd. on page 7)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 07/01/2020 Reviewed on 07/01/2020

Trade Name: Amp Mix

13 Disposal Considerations

- · Waste treatment methods
- · Recommendation:

Observe all federal, state and local environmental regulations when disposing of this material.

- · Uncleaned packaging
- · **Recommendation:** Disposal must be made according to official regulations.
- · Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport Information

· UN-Number:

· DOT, ADR/ADN, ADN, IMDG, IATA Non-Regulated Material

· UN proper shipping name:

· DOT, ADR/ADN, ADN, IMDG, IATA Non-Regulated Material

· Transport hazard class(es):

· DOT, ADR/ADN, ADN, IMDG, IATA

· Class: Non-Regulated Material

· Packing group:

· DOT, ADR/ADN, IMDG, IATA Non-Regulated Material

Environmental hazards: Not applicable.Special precautions for user: Not applicable.

Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code: Not applicable.

**UN "Model Regulation": Non-Regulated Material

15 Regulatory Information

- · Safety, health and environmental regulations/legislation specific for the substance or mixture:
- · SARA (Superfund Amendments and Reauthorization):

Section 355	(extremely	hazardous su	bstances):

7664-93-9 Sulfuric acid

· Section 313 (Specific toxic chemical listings):

7664-93-9 Sulfuric acid

· TSCA (Toxic Substances Control Act):

56-81-5 Glycerol

9016-45-9 Nonylphenoxypoly(ethyleneoxy)ethanol

7664-93-9 Sulfuric acid

· California Proposition 65:

· Chemicals known to cause cancer:

None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

(Contd. on page 8)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Reviewed on 07/01/2020 Issue date 07/01/2020

Trade Name: Amp Mix

New Jerse	y Right-to-Know List:	
56-81-5	Glycerol	
7664-93-9	Sulfuric acid	
New Jerse	y Special Hazardous Substance List:	
7664-93-9	Sulfuric acid	CA, CO, R2
Pennsylva	nia Right-to-Know List:	
56-81-5	Glycerol	
7664-93-9	Sulfuric acid	
Pennsylva	nia Special Hazardous Substance List:	
7664-93-9	Sulfuric acid	E

Carcinogenic categories:

· EPA (Environmental Protection Agency): None of the ingredients are listed. · TLV (Threshold Limit Value established by ACGIH): A2 7664-93-9 Sulfuric acid · NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients are listed.

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms:



- · Signal word: Warning
- · Hazard statements:

H315+H320 Causes skin and eye irritation.

Precautionary statements:

Wash thoroughly after handling. P264

Wear protective gloves. P280

If on skin: Wash with plenty of water. P302+P352

Specific treatment (see supplementary first aid instructions on this Safety Data Sheet). P321 P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

If skin irritation occurs: Get medical advice/attention. P332+P313 Take off contaminated clothing and wash it before reuse. P362+P364 P337+P313 If eye irritation persists: Get medical advice/attention.

· National regulations:

None of the ingredients are listed.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

(Contd. on page 9)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Reviewed on 07/01/2020 Issue date 07/01/2020

Trade Name: Amp Mix

Date of last revision/ revision number: 07/01/2020 / 5

· Abbreviations and acronvms:

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety & Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Skin Corr. 1A: Skin corrosion/irritation - Category 1A

Skin Irrit. 2: Skin corrosion/irritation - Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation - Category 2A Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B

* Data compared to the previous version altered.

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OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 10/06/2018 Reviewed on 10/06/2018

1 Identification

· Product Identifier

· Trade Name: SI-PCR Primer B · Product Number: 2000128

- · Relevant identified uses of the substance or mixture and uses advised against:
- · **Product Description:** Not relevant information.
- · Details of the Supplier of the Safety Data Sheet:
- · Manufacturer/Supplier:

10X Genomics

7068 Koll Center Parkway

Suite 401

Pleasanton, CA 94566

1 925 401 7300

· Emergency telephone number: 1 925 401 7300

2 Hazard(s) Identification

· Classification of the substance or mixture:

The product does not need classification according to OSHA HazCom Standard 29 CFR paragraph (d) of §1910.1200(g) and GHS Rev 03.

- · Label elements:
- · GHS label elements Non-Regulated Material
- · Hazard pictograms: Non-Regulated Material
- · Signal word: Non-Regulated Material
- · Hazard statements: Non-Regulated Material
- · Unknown acute toxicity:

0 % of the mixture consists of component(s) of unknown toxicity.

- · Classification system:
- NFPA ratings (scale 0 4)



Health = 0 Fire = 0 Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = 0 Fire = 0

Physical Hazard = 0

· Hazard(s) not otherwise classified (HNOC): None known

3 Composition/Information on Ingredients

- · Chemical characterization: Mixtures
- · Description: Mixture of substances listed below with non-hazardous additions.
- · Dangerous Components: Non-Regulated Material
- · Additional information:

Trade secret made in accordance with paragraph (i) of §1910.1200 of 29 CFR 1910.1200, the OSHA Hazard Communication Standard and U.S. Code of Federal Regulations.

4 First-Aid Measures

- · Description of first aid measures
- · General information: No special measures required.



OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 10/06/2018 Reviewed on 10/06/2018

Trade Name: SI-PCR Primer B

- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact: Generally the product does not irritate the skin.
- · After eye contact: Rinse opened eye for several minutes under running water.
- · After swallowing: If swallowed and symptoms occur, consult a doctor.
- · Information for doctor
- · Most important symptoms and effects, both acute and delayed: No further relevant information available.
- Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

5 Fire-Fighting Measures

- · Extinguishing media
- Suitable extinguishing agents:

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- · For safety reasons unsuitable extinguishing agents: No further relevant information.
- · Special hazards arising from the substance or mixture: No further relevant information available.
- · Advice for firefighters
- · Special protective equipment for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental Release Measures

· Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

- · Environmental precautions: No special measures required.
- Methods and material for containment and cleaning up:

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).

Dispose of the collected material according to regulations.

Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and Storage

- · Handling
- · Precautions for safe handling: No special measures required.
- · Information about protection against explosions and fires: No special measures required.
- · Conditions for safe storage, including any incompatibilities
- · Storage
- · Requirements to be met by storerooms and receptacles: Store in the original container.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: None.
- · Specific end use(s): No further relevant information available.

8 Exposure Controls/Personal Protection

- · Additional information about design of technical systems: Does not apply.
- · Control parameters:
- Components with occupational exposure limits:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· Additional information: The lists that were valid during the creation of this SDS were used as basis.

(Contd. on page 3)



OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 10/06/2018 Reviewed on 10/06/2018

Trade Name: SI-PCR Primer B

- · Exposure controls:
- · Personal protective equipment
- · General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

- · Breathing equipment: Not required.
- · Protection of hands:



- · Material of gloves: Not required.
- Penetration time of glove material: Not applicable.
- · Eye protection: Not required.

9 Physical and Chemical Properties

- · Information on basic physical and chemical properties
- · General Information
- · Appearance:

Form:
Color:
Colorless
Odorless
Odor threshold:
Not determined.

PH-value:
Not determined.

p..........

Change in condition
 Melting point/Melting range:
 Boiling point/Boiling range:
 Not determined.

· Flash point: None

Flammability (solid, gaseous): Not applicable.
 Decomposition temperature: Not determined.

· **Auto igniting:** Product is not self-igniting.

· Danger of explosion: Product does not present an explosion hazard.

· Explosion limits:

Lower: Not determined.Upper: Not determined.Vapor pressure: Not determined.

· Density:

Relative density:
Vapor density:
Not determined.
Not determined.
Evaporation rate:
Not determined.

· Solubility in / Miscibility with:

Water: Fully miscible.

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

Dynamic: Not determined.

(Contd. on page 4)



OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 10/06/2018 Reviewed on 10/06/2018

Trade Name: SI-PCR Primer B

Kinematic: Not determined.

· Solvent content:

Organic solvents: 0.0 %
Solids content: 0.2 %

• Other information: No further relevant information available.

10 Stability and Reactivity

- · *Reactivity:* No further relevant information available.
- · Chemical stability: Stable under normal conditions.
- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions: No dangerous reactions known.
- · Conditions to avoid: No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological Information

- · Information on toxicological effects:
- · Acute toxicity:
- · LD/LC50 values that are relevant for classification: No data available.
- · Primary irritant effect:
- · On the skin: No irritating effect.
- · On the eye: No irritating effect.
- · Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations.

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- · Carcinogenic categories:
- · IARC (International Agency for Research on Cancer):

None of the ingredients are listed.

· NTP (National Toxicology Program):

None of the ingredients are listed.

· OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

12 Ecological Information

- · Toxicity:
- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability: No further relevant information available.
- Behavior in environmental systems:
- · Bioaccumulative potential: No further relevant information available.
- · Mobility in soil: No further relevant information available.
- Additional ecological information:
- · General notes: Generally not hazardous for water.
- · Results of PBT and vPvB assessment:
- · **PBT**: Not applicable.
- · **vPvB**: Not applicable.

(Contd. on page 5)



OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 10/06/2018 Reviewed on 10/06/2018

Trade Name: SI-PCR Primer B

· Other adverse effects: No further relevant information available.

13 Disposal Considerations

· Waste treatment methods

• *Recommendation:* Smaller quantities can be disposed of with household waste.

· Uncleaned packaging

· **Recommendation:** Disposal must be made according to official regulations.

14 Transport Information

· UN-Number:

DOT, ADN, IMDG, IATAADR/ADNNon-Regulated MaterialNon-Regulated Material

Not Regulated

· UN proper shipping name:

· DOT, ADR/ADN, ADN, IMDG, IATA Non-Regulated Material

· Transport hazard class(es):

· DOT, ADR/ADN, ADN, IMDG, IATA

· Class: Non-Regulated Material

· Packing group:

· DOT, ADR/ADN, IMDG, IATA Non-Regulated Material

Environmental hazards: Not applicable. Special precautions for user: Not applicable.

· Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code: Not applicable.

· Transport/Additional information:

· DOT

• Quantity limitations: On passenger aircraft/rail: N/A

On cargo aircraft only: N/A

• UN "Model Regulation":

Non-Regulated Material

15 Regulatory Information

- · Safety, health and environmental regulations/legislation specific for the substance or mixture:
- · SARA (Superfund Amendments and Reauthorization):

· Section 355 (extremely hazardous substances):

None of the ingredients are listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

TSCA (Toxic Substances Control Act):

Proprietary

- · California Proposition 65:
- · Chemicals known to cause cancer:

None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

(Contd. on page 6)



OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 10/06/2018 Reviewed on 10/06/2018

Trade Name: SI-PCR Primer B

· Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

· Carcinogenic categories:

· EPA (Environmental Protection Agency):

None of the ingredients are listed.

· TLV (Threshold Limit Value established by ACGIH):

None of the ingredients are listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients are listed.

- · GHS label elements Non-Regulated Material
- · Hazard pictograms: Non-Regulated Material
- · Signal word: Non-Regulated Material
- · Hazard statements: Non-Regulated Material
- · National regulations:

None of the ingredients are listed.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· Date of preparation / last revision: 10/06/2018 / 9

· Abbreviations and acronyms:

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration. 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety & Health Administration

TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit

· * Data compared to the previous version altered.

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OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 08/20/2018 Reviewed on 08/20/2018

1 Identification

- · Product Identifier
- · Trade Name: cDNA Primers

Feature cDNA Primers 1 Feature cDNA Primers 2

Product Number:

2000089 2000096 2000097

- · Relevant identified uses of the substance or mixture and uses advised against:
- · Product Description: Primer
- · Application of the substance / the mixture: Industry Specific Application
- · Details of the Supplier of the Safety Data Sheet:
- Manufacturer/Supplier:

10X Genomics 7068 Koll Center Parkway Suite 401 Pleasanton, CA 94566

1 925 401 7300

· Emergency telephone number: 1 925 401 7300

2 Hazard(s) Identification

· Classification of the substance or mixture:

The product does not need classification according to OSHA HazCom Standard 29 CFR paragraph (d) of §1910.1200(g) and GHS Rev 03.

- · Label elements:
- · GHS label elements Non-Regulated Material
- · Hazard pictograms: Non-Regulated Material
- · Signal word: Non-Regulated Material
- · Hazard statements: Non-Regulated Material
- · Unknown acute toxicity:

This value refers to knowledge of known, established toxicological or ecotoxicological values.

0 % of the mixture consists of component(s) of unknown toxicity.

- · Classification system: NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
- · NFPA ratings (scale 0 4)



Health = 0 Fire = 0 Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = 0Fire = 0

REACTIVITY 0 Physical Hazard = 0

· Hazard(s) not otherwise classified (HNOC): None known

3 Composition/Information on Ingredients

· Non-hazardous components:

CAS: 107-43-7 Betaine 10-20% RTECS: DS5900000

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- · Chemical characterization: Mixtures
- · **Description:** Mixture of substances listed below with non-hazardous additions.
- · Dangerous Components: Non-Regulated Material
- · Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

4 First-Aid Measures

- · Description of first aid measures
- · General information: No special measures required.
- · After inhalation:

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air; consult doctor in case of complaints.

After skin contact:

Wash with soap and water.

If skin irritation occurs, consult a doctor.

· After eye contact:

If eye irritation occurs, consult a doctor.

Rinse opened eye for several minutes under running water.

· After swallowing:

Do not induce vomiting without medical advice.

If swallowed and symptoms occur, consult a doctor.

- · Information for doctor
- · Most important symptoms and effects, both acute and delayed: No further relevant information available.
- · Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

5 Fire-Fighting Measures

- · Extinguishing media
- · Suitable extinguishing agents: Use fire fighting measures that suit the environment.
- For safety reasons unsuitable extinguishing agents: No further relevant information.
- · Special hazards arising from the substance or mixture: No further relevant information available.
- · Advice for firefighters
- Special protective equipment for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental Release Measures

· Personal precautions, protective equipment and emergency procedures:

Avoid contact with skin, eyes and clothing.

Environmental precautions:

Dilute with plenty of water.

Do not allow to enter sewers/surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).

Dispose of the collected material according to regulations.

· Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

· Protective Action Criteria for Chemicals

· PAC-1:

None of the ingredients are listed.

· PAC-2:

None of the ingredients are listed.

· PAC-3:

None of the ingredients are listed.

7 Handling and Storage

- · Handling
- *Precautions for safe handling:* Avoid breathing fume/gas/mist/vapors/spray.
- Information about protection against explosions and fires: No special measures required.
- · Conditions for safe storage, including any incompatibilities
- · Storage
- · Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: None.
- · Specific end use(s): No further relevant information available.

8 Exposure Controls/Personal Protection

- · Additional information about design of technical systems: No further data; see section 7.
- · Control parameters:
- · Components with occupational exposure limits:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- · Additional information: The lists that were valid during the creation of this SDS were used as basis.
- · Exposure controls:
- · Personal protective equipment
- · General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

- Breathing equipment: Not required.
- · Protection of hands: Not required.
- · Material of gloves: Not applicable.
- · Penetration time of glove material: Not applicable.
- · Eye protection:



Safety glasses

9 Physical and Chemical Properties

- · Information on basic physical and chemical properties
- General Information
- · Appearance:

Form:

Liquid



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Color:
Odour:
Odor threshold:
pH-value:
Clear, colorless
Odorless
Not determined.
Not applicable.

· Change in condition

Melting point/Melting range: Not determined. Boiling point/Boiling range: Not determined.

· Flash point: None

Flammability (solid, gaseous): Not applicable.
 Ignition temperature: Not applicable
 Decomposition temperature: Not determined.

· **Auto igniting:** Product is not self-igniting.

• Danger of explosion: Product does not present an explosion hazard.

· Explosion limits:

Lower: Not determined.Upper: Not determined.Vapor pressure: Not determined.

· **Density @ 20 °C (68 °F):** \ g/cm³

Relative density: Not determined.
Vapor density: Not determined.
Evaporation rate: Not determined.

· Solubility in / Miscibility with:

Water: Fully miscible.Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

Dynamic: Not determined. **Kinematic:** Not determined.

· Solvent content:

VOC content: 0.00 %

· Other information: No further relevant information available.

10 Stability and Reactivity

- · Reactivity: No further relevant information available.
- · Chemical stability: Stable under normal conditions.
- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions: No dangerous reactions known.
- · Conditions to avoid: No further relevant information available.
- · Incompatible materials: Strong acids, strong bases
- · Hazardous decomposition products: No dangerous decomposition products known.

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11 Toxicological Information

- · Information on toxicological effects:
- · Acute toxicity:
- · LD/LC50 values that are relevant for classification: No data available.
- · Primary irritant effect:
- · On the skin: No irritating effect.
- · On the eye: No irritating effect.
- Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations.

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

· Carcinogenic categories:

· IARC (International Agency for Research on Cancer):

None of the ingredients are listed.

· NTP (National Toxicology Program):

None of the ingredients are listed.

· OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

12 Ecological Information

- · Toxicity:
- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability: No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential: No further relevant information available.
- · Mobility in soil: No further relevant information available.
- · Additional ecological information:
- · General notes:

Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.

- Results of PBT and vPvB assessment:
- · PBT: Not applicable.
- · **vPvB**: Not applicable.
- · Other adverse effects: No further relevant information available.

13 Disposal Considerations

- · Waste treatment methods
- · Recommendation:

Smaller quantities can be disposed of with household waste.

Observe all federal, state and local environmental regulations when disposing of this material.

- · Uncleaned packaging
- · **Recommendation:** Disposal must be made according to official regulations.
- · Recommended cleansing agent: Water, if necessary with cleansing agents.

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14 Transport Information

· UN-Number:

· DOT, ADR/ADN, IMDG, IATA Non-Regulated Material

· UN proper shipping name:

· DOT, ADR/ADN, IMDG, IATA Non-Regulated Material

· Transport hazard class(es):

· DOT, ADR/ADN, IMDG, IATA

· Class: Non-Regulated Material

· Packing group:

· DOT, ADR/ADN, IMDG, IATA Non-Regulated Material

Environmental hazards: Not applicable.Special precautions for user: Not applicable.

Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code: Not applicable.

**UN "Model Regulation": Non-Regulated Material

15 Regulatory Information

- · Safety, health and environmental regulations/legislation specific for the substance or mixture:
- SARA (Superfund Amendments and Reauthorization):
- · Section 355 (extremely hazardous substances):

None of the ingredients are listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

· TSCA (Toxic Substances Control Act):

All ingredients are listed or exempt from listing.

- · California Proposition 65:
- · Chemicals known to cause cancer:

None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

· New Jersey Right-to-Know List:

None of the ingredients are listed.

· New Jersey Special Hazardous Substance List:

None of the ingredients are listed.

· Pennsylvania Right-to-Know List:

None of the ingredients are listed.

· Pennsylvania Special Hazardous Substance List:

None of the ingredients are listed.



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· Carcinogenic categories:

· EPA (Environmental Protection Agency):

None of the ingredients are listed.

· TLV (Threshold Limit Value established by ACGIH):

None of the ingredients are listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients are listed.

- · GHS label elements Non-Regulated Material
- · Hazard pictograms: Non-Regulated Material
- · Signal word: Non-Regulated Material
- · Hazard statements: Non-Regulated Material
- · National regulations:

None of the ingredients are listed.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

- · Date of preparation / last revision: 08/20/2018 / -
- · Abbreviations and acronyms:

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety & Health Administration

TLV: Threshold Limit Value PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

· * Data compared to the previous version altered.

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