

Mobile Phase for Nucleic Acid Analysis- Buffer A

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 04/01/2019

Version: 9

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

1.1. Product identifier

Product form	:	Mixture
Product name	:	Mobile Phase for Nucleic Acid Analysis - Buffer A
Product code	:	562021-50, 553421, 553421-L, 553421-L4, 553421-L20
Other means of identification	:	Triethylammonium acetate buffer, Acetic acid, compound with N,N-diethylethanamine (1:1) in water.
Reach Registration Number	:	Not applicable
Remarks	:	SDS according to Art. 31 of Regulation (EC) 1907/2006

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

Use of the substance/mixture	:	Buffer
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1.3. Details of the supplier of the safety data sheet

ADS Biotec, Inc.
7409 Irvington Road
Omaha, NE 68122 - USA
support@adsbiotec.com

1.4. Emergency telephone number

Emergency Contact Number	:	USA: 1-800-255-3924 (CHEMTEL 24hr) International: +1-813-248-0585 (CHEMTEL 24hr)
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

CLP Classification – Regulation (EC) No 1272/2008

Not classified

2.2. Label elements

GHS-US labeling

No labeling applicable

CLP Classification – Regulation (EC) No 1272/2008

No labeling required

2.3. Other hazards

Other hazards not contributing to the classification	:	May cause eye irritation. Repeated or prolonged contact may cause skin irritation.
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(EC) No 1272/2008

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

Full text of H-phrases: see section 16

3.2. Mixture

Synonyms: Buffer solution, 0.1 M TEAA in water

Mobile Phase for Nucleic Acid Analysis - Buffer A

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Name	Product identifier	%	GHS-US classification
Water	(CAS No) 7732-18-5	>90%	Not classified
Triethylammonium acetate	(CAS No) 5204-74-0	0.5-2%	Not classified

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Remove to fresh air, keep the patient warm and at rest. If symptoms develop obtain medical attention.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If symptoms develop obtain medical attention.
- First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms develop obtain medical attention.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Give 100 - 200 ml of water to drink. If symptoms develop obtain medical attention.

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

- Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.
- Symptoms/injuries after ingestion : Ingestion may cause nausea, vomiting and diarrhea.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray.
- Unsuitable extinguishing media : None.

5.2. Special hazards arising from the substance or mixture

- Explosion hazard : On exposure to high temperature, may decompose, releasing explosive vapours.
- Reactivity : None known.

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid fire-fighting water entering the environment.
- Protection during firefighting : Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Hazardous decomposition products. Carbon monoxide. Carbon dioxide. Nitrogen dioxide.

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Wear suitable protective clothing and eye or face protection.
- Emergency procedures : Avoid contact with eyes, skin and clothing. Ensure adequate ventilation.

6.2. Environmental precautions

Do not let enter drains. Avoid release to the environment. Notify authorities if liquid enters sewers or public waters. Prevent further leakage or spillage if safe to do so. .

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wash spill area with soapy water. Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material. Dispose of properly. Clean up affected area.

6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

Mobile Phase for Nucleic Acid Analysis - Buffer A

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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| Precautions for safe handling | : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid contact with skin, eyes and clothing. Avoid release to the environment. Notify authorities if liquid enters sewers or public waters. Prevent further leakage or spillage if safe to do so. |
| Hygiene measures | : Do not eat, drink or smoke when using this product. |

7.2. Conditions for safe storage, including any incompatibilities

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| Storage conditions | : Keep only in the original container in a cool well ventilated place. Keep container closed when not in use. |
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7.3. Specific end use(s)

A component of systems for analysis of nucleic acid samples in a professional diagnostic or research laboratory.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Not applicable

8.2. Exposure controls

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| Appropriate engineering controls | : Ensure adequate ventilation. |
| Hand protection | : Wear chemically resistant protective gloves. |
| Eye protection | : Safety glasses with face shield. |
| Skin and body protection | : Wear suitable protective clothing. |
| Respiratory protection | : Not required under normal use. |
| Thermal hazard protection | : Not required for normal conditions of use. |
| Environmental exposure controls | : Not normally required. |
| Other information | : Do not eat, drink or smoke during use. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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| Physical state | : Liquid |
| Colour | : Colourless. |
| Odour | : Odourless. |
| Odour threshold | : No data available |
| pH | : 7 |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Self ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : 1.355 |
| Relative density | : No data available |
| Solubility | : Miscible with water. |
| Log Pow | : 0 |
| Log Kow | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

Mobile Phase for Nucleic Acid Analysis - Buffer A

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

None known.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. Nitrogen oxides. Ammonia.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified pH: 7
Serious eye damage/irritation	: Not classified pH: 7
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries after ingestion	: Ingestion may cause nausea, vomiting and diarrhea.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Not classified.
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12.2. Persistence and degradability

Mobile Phase for Nucleic Acid Analysis - Buffer A

Persistence and degradability	No information available.
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12.3. Bioaccumulative potential

Mobile Phase for Nucleic Acid Analysis - Buffer A

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Bioaccumulative potential	No information available.

Mobile Phase for Nucleic Acid Analysis - Buffer A

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

12.4. Mobility in soil

Mobile Phase for Nucleic Acid Analysis - Buffer A

Ecology - soil	No information available.
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12.5. Results of PBT and vPvB assessment

PBT : Not applicable

vPvB : Not applicable

12.6. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

14.1 UN-Number

ADR, ADN, IMDG, IATA: Not applicable

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA: Not applicable

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA Class: Not applicable

14.4 Packing group

ADR, IMDG, IATA: Not applicable

14.5 Environmental hazards

Marine pollutant: No

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

UN "Model Regulation"

Not applicable

In accordance with DOT

Not dangerous good in sense of transport regulations

SECTION 15: Regulatory information

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

US Federal Regulations

No additional information available

CLP Classification – Regulation (EC) No 1272/2008

Directive 2012/18/EU

Named dangerous substances - ANNEX I: None of the ingredients is listed

REGULATION (EC) No 1907/2006 ANNEX XVII (REACH): Conditions of restriction: 3

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

CANADA

No additional information available

15.2. Chemical safety assessment

No additional information available

Annex XIV of the REACH Regulations (requiring Authorisation for use) Substance is not listed

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

15.3. US State regulations

No additional information available

Mobile Phase for Nucleic Acid Analysis - Buffer A

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 16: Other information

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| Data sources | : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. |
| Abbreviations and acronyms | : ADR (Accord européen relatif au transport international des marchandises Dangereuses par Route). CAS (Chemical Abstracts Service) number. IARC (International Agency for Research on Cancer). IATA (International Air Transport Association). IMDG (International Maritime Dangerous Goods Code). RID (Règlement concernant le transport international ferroviaire de marchandises). |
| Other information | : None. |

NCEC SDS US GHS (Hazcom 2012)

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