



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: BUFFER SOLUTION (pH 7.0)

CAS Number: NA

1. IDENTIFICATION:

Product Code : 91744

Company Name : ADVENT CHEMBIO PRIVATE LIMITED

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2. HAZARDS IDENTIFICATION:

Hazard classification : Not a hazardous substance or mixture.

Labels elements : Not a hazardous substance or mixture.

Hazard symbol : No hazard pictogram required.

Signal word : Not a hazardous substance or mixture.

Hazard statement : Not a hazardous substance or mixture.

Precautionary statement

Prevention : Do not handle until all safety precautions have been read and understood.
Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response : IF ON SKIN (or hair): Rinse skin with water/ shower.
IF IN EYES: Rinse with water.

Storage : Store in a dry & well-ventilated place. Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Disposal : Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in GHS classification : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.



MATERIAL SAFETY DATA SHEET

Version :02

PRODUCT NAME: BUFFER SOLUTION (pH 7.0)

CAS Number: NA

3. COMPOSITION/ INFORMATION ON INGRADIENTS:

No components need to be disclosed according to the applicable regulations.

4. FIRST AID MEASURES:

General information	: Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance.
Ingestion	: Rinse mouth.
Inhalation	: Move to fresh air.
Skin contact	: Flush with plenty of water.
Eye contact	: Flush with plenty of water.
Most important symptoms/effects, acute and delayed	: Not a hazardous substance or mixture.
Indication of immediate medical attention and special treatment needed	: No data available

5. FIRE FIGHTING MEASURES:**General information****Suitable (and unsuitable) extinguishing media**

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	: For this substance/mixture no limitations of extinguishing agents are given.
Specific hazards arising from the chemical	Nature of decomposition products not known. : Not combustible. Ambient fire may liberate hazardous vapours.

Special protective equipment and precautions for firefighters

Special firefighting procedures	: Fight fire from a protected location. Move containers from fire area if you can do so without risk.
Special protective equipment for fire-fighters	: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions, protective equipment and emergency procedures	: Keep upwind. Ventilate Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.
Methods and material for containment and cleaning up	: Use only non-sparking tools.



MATERIAL SAFETY DATA SHEET

Version :02

PRODUCT NAME: BUFFER SOLUTION (pH 7.0)

CAS Number: NA

Notification Procedures	:	Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved.
Environmental precautions	:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. HANDLING AND STORAGE:

Precautions for safe handling	:	Do not handle until all safety precautions have been read and understood. Use only non-sparking tools. Wear protective gloves/protective clothing/eye protection/ face protection. Wash hands thoroughly after handling.
Conditions for safe storage, including any incompatibilities	:	Keep away from food, drink and animal feeding stuffs. Keep container tightly closed in a dry, well-ventilated place. Ground container and transfer equipment to eliminate static electric sparks.

8. EXPOSURE CONTROLS PERSONAL PROTECTION:**Appropriate engineering controls**

:	No data available
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Individual protection measures, such as personal protective equipment

General information	:	Ventilation rates should be matched to conditions. An eye wash and safety shower must be available in the immediate work area. Use explosion-proof ventilation equipment.
Eye/face protection	:	Wear safety glasses with side shields (or goggles).
Hand protection	:	Chemical resistant gloves.
Other	:	Wear suitable protective clothing.
Respiratory protection	:	Not required; except in case of aerosol formation.
Hygiene measures	:	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash station and safety shower. Avoid contact with eyes, skin, and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	:	Clear, colorless liquid
Odor	:	Odorless
Solubility	:	Miscible in water.
Formula	:	NA
Molecular Weight	:	NA
Density	:	1,01 g/cm ³ at 20 °C
pH	:	7.00 ± 0.02 at 25 °C
% Volatiles by volume @ 21C (70F)	:	No data available.
Boiling Point	:	109°C



MATERIAL SAFETY DATA SHEET

Version :02

PRODUCT NAME: BUFFER SOLUTION (pH 7.0)

CAS Number: NA

Melting Point : -5°C
Flash Point : No data available.
Vapor Density (Air=1) : No data available.
Vapor Pressure (mm Hg) : No data available.
Evaporation Rate (BuAc=1) : No data available.

10. STABILITY AND REACTIVITY:

Reactivity : No data available.
Chemical stability : Material is stable under ambient conditions..
Possibility of hazardous reactions : No data available
Conditions to avoid : No data available
Incompatible materials : No data available.
Hazardous decomposition products : In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION:

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product : No data available
Dermal Product : No data available
Inhalation Product : No data available.
Repeated dose toxicity Product : No data available.
Skin corrosion/irritation Product : No data available
Serious eye damage/eye irritation Product : No data available
Respiratory or skin sensitization Product : No data available
Carcinogenicity Product : No data available

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans : No data available
US. National Toxicology Program (NTP) Report on Carcinogens : No data available
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050 : No data available



MATERIAL SAFETY DATA SHEET

Version :02

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Germ cell mutagenicity : No data available.

Reproductive toxicity : No data available

Product

Specific target organ : No data available

toxicity - single exposure

Product

Specific target organ : No data available

toxicity - repeated

exposure Product

Aspiration hazard Product : No data available

Other effects : No data available

12. ECOLOGICAL INFORMATION:**Ecotoxicity****Acute hazards to the aquatic environment**

Fish Product : No data available

Aquatic invertebrates : No data available

Product

Chronic hazards to the aquatic environment

Fish Product : No data available.

Aquatic invertebrates : No data available.

Product

Toxicity to Aquatic Plants : No data available.

Product:

Persistence and degradability

Biodegradation Product : No data available

BOD/COD ratio Product : No data available.

Bioaccumulative potential

Bioconcentration factor : No data available on bioaccumulation.

(BCF) Product

Partition coefficient n- : No data available.

octanol / water (log Kow)

Product

Mobility in soil : No data available

Other adverse effects : No data available



MATERIAL SAFETY DATA SHEET

Version :02

PRODUCT NAME: BUFFER SOLUTION (pH 7.0)

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13. DISPOSAL CONSIDERATION:

Disposal instructions : Discharge, treatment, or disposal may be subject to national, state, or local laws. Disposal recommendations are based on uncontaminated material.

Contaminated packaging : Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. TRANSPORT INFORMATION:

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
ADR/RID	NA	Buffer Solution (pH 7.0)		Not dangerous goods	
IMDG	NA	Buffer Solution (pH 7.0)		Not dangerous goods	
IATA	NA	Buffer Solution (pH 7.0)		Not dangerous goods	

15. REGULATORY INFORMATION:

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
Safety, health and environmental regulations/legislation specific for the substance or mixture
No Data Available.

MATERIAL SAFETY DATA SHEET

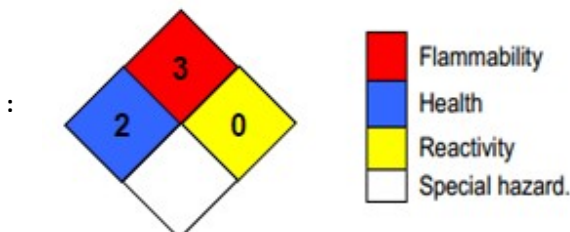
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16. OTHER INFORMATION:

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

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