

Section 1 – Identification

1.1 Product identifier

Adenopure® Kit Buffers: 10X Dilution Buffer
Equilibration Wash Buffer
Elution Buffer

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

Identified uses: For use with Adenopure® Kit to purify adenovirus

1.3 Details of the supplier of the Safety Data Sheet

Company: Puresyn, Inc.
87 Great Valley Parkway
Malvern, PA 19355, USA

Customer Service: (888) 245-9182

Fax: (610) 640 0808

1.4 Emergency telephone number

Emergency Phone (888) 245-9182

Section 2 – Hazard(s) Identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture by the 2012 OSHA HCS (29 CFR 1910.122)

2.2 GHS Label elements

Not a hazardous substance or mixture by the 2012 OSHA HCS (29 CFR 1910.122)

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None

Section 3 – Composition and Information on Ingredients

Each buffer in the Adenopure® Kit is composed of the ingredients listed below. The concentrations of the ingredients used are a trade secret and are considered non hazardous.			
Ingredient Name	Synonyms	Formula	CAS#
Magnesium Chloride Hexahydrate	Magnesium Dichloride Hexahydrate	MgCl ₂ ·6H ₂ O	7791-18-6
Sodium Chloride	Salt, Sea Salt	NaCl	7647-14-5
Sucrose	Cane Sugar, Beet Sugar	C ₁₂ H ₂₂ O ₁₁	57-50-1
Tris (hydroxymethyl) Amino Methane Free Base	THAM	H ₂ NC(CH ₂ OH) ₃	77-86-1
Tris (hydroxymethyl) Amino Methane Hydrochloride Salt	Tris Hydrochloride Solution	C ₄ H ₁₁ NO ₃ ·HCl	1185-53-1
Water	Aqua	H ₂ O	7732-18-5

Section 4 – First Aid Measures

4.1 Description of first aid measures

If inhaled

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

In case of skin contact

Wash exposed area with soap and plenty of water. Consult a physician.

In case of eye contact

Flush eyes with plenty of water for at least 15 minutes. Consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with plenty of water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

Section 5 – Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media

No data available.

5.2 Specific hazards arising from the substance or mixture

No data available.

5.3 Advice for firefighters

In the event of a fire wear self-contained breathing apparatus pressure demand, MSHA/NIOSH approved and full protective gear.

Section 6 – Accidental Release Measures

6.1 Procedure(s) of Personal Precaution(s)

Wear appropriate protective equipment as specified in Section 8.

6.2 Environmental precautions

Prevent product from entering drains.

6.3 Methods and materials for containment and clean up

Soak up with inert absorbent material and keep in suitable closed container for disposal.

Section 7 – Handling and Storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed containers and in cool, dry, well-ventilated area.

Section 8 – Exposure Controls and Personal Protection

8.1 Control parameters**Components with workplace control parameters**

Component – Sucrose (CAS# 57-50-1)

Basis	Value	Threshold Limits	Remarks
ACGIH	Time Weighted Average (TWA)	10mg/m ³	
NIOSH/GUIDE	Recommended Exposure Limit (REL)	10mg/m ³	Form of exposure: Total
	Recommended Exposure Limit (REL)	5mg/m ³	Form of exposure: Respirable
	OSHA TRANS PEL	15mg/m ³	Form of exposure: Total dust
Z1A	PEL	5mg/m ³	Form of exposure: Respirable fraction
	Time Weighted Average (TWA)	15mg/m ³	Form of exposure: Total dust
	Time Weighted Average (TWA)	5mg/m ³	Form of exposure: Respirable fraction

Engineering measures

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

8.2 Exposure controls**Appropriate engineering controls**

Handle in accordance with good laboratory hygiene and safety practices.

Personal Protective Equipment**Eye protection**

Use safety glasses with side-shields. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) and EN166 (EU).

Skin protection

Use gloves in accordance with good laboratory hygiene and safety practices.

Body protection

Wear lightweight protective clothing.

Respiratory protection

No special protective equipment required.

Section 9 – Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance/Physical State.....	Colorless liquid
Odor.....	odorless
Odor threshold.....	no data
pH.....	7.0
Melting point/Freezing point.....	no data
Initial boiling point and boiling range.....	no data
Flash point.....	no data
Evaporation rate.....	no data
Flammability.....	no data
Upper/lower flammability or explosive limits.....	no data
Vapor pressure.....	no data

Vapor density	no data
Relative density	no data
Water solubility	no data
Partition coefficient: n-octanol/water.....	no data
Auto-ignition temperature	no data
Decomposition temperature.....	no data
Viscosity.....	no data
Explosive properties	no data
Oxidizing properties	no data

Section 10 – Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under ordinary conditions of use and storage.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No data available

Section 11 – Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagen

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity – single dose

No data available

Specific target organ toxicity – repeated dose

No data available

Aspiration hazard

No data available

Potential health effects

No data available

Signs and symptoms of Exposure

No data available

Section 12 – Ecological Information

No data available

Section 13 – Disposal Considerations

13.1 Waste treatment methods

Dispose of waste in accordance with federal, state and local regulations. Consult with a permitted waste disposal service (TSD) to assure compliance with regulations.

Section 14 – Transport Information

14.1 DOT (US)

Not dangerous goods

14.2 IMDG

Not dangerous goods

14.3 IATA

Not dangerous goods

Section 15 – Regulatory Information

15.1 National and regional safety, health and environmental regulatory information

No data available

Section 16 – Other Information

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