

Bioland Scientific LLC

Material Safety Data Sheet

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name **Tris-Acetate-SDS Running Buffer**

Catalog Number TAS01
Brand Bioland Chemicals

Company Bioland Scientific LLC
 14925 Paramount Blvd., Suite C
 Paramount, CA 90723
 USA

Telephone 1-562-602-8882
Fax 1-562-733-6008
Emergency Phone # 1-562-377-2668

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous/Non-hazardous Components

Chemical Name	CAS-No	Weight %
sodium dodecyl sulfate	151-21-3	1-5
TRIS Base	77-86-1	0.5-1.5

The product contains no substances which at their given concentration, are considered to be hazardous to health. We Recommend handling all chemicals with caution.

3. HAZARDS IDENTIFICATION

Emergency Overview

This product contains no substances which at their given concentration, are considered to be hazardous to health.

Form: Liquid

Principle Routes of Exposure/Potential Health effects

Eyes	May cause eye irritation with susceptible persons
Skin	May cause skin irritation and/or dermatitis.
Inhalation	No information available
Ingestion	No information available

Specific effects

Carcinogenic effects	No information available
Mutagenic effects	No Information Available
Reproductive toxicity	No information available
Sensitization	No information available

Target Organ Effects

No information available

HMIS

Health	0
Flammability	0
Reactivity	0

4. FIRST AID MEASURES

Eye contact	Rinse immediately with plenty of water, also under the eyelids
Inhalation	Move to fresh air
Skin contact	Wash off immediately with plenty of water
Ingestion	Never give anything by mouth to an unconscious person
Notes to physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Dry chemical

Special protective equipment for firefighters

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions**

Use personal protective equipment.

Methods for cleaning up

Soak up with inert absorbent material.

7. HANDLING AND STORAGE**Handling**

No special handling advice required.

Storage

Keep in properly labeled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Sodium dodecyl Sulfate	-	-	-	-
TRIS Base	-	-	-	-

Engineering measures

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Respiratory protection	In case of insufficient ventilation wear suitable respiratory equipment
Hand protection	Impervious gloves
Eye protection	Safety glasses with side-shields
Skin and body protection.	Lightweight protective clothing
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice
Environmental exposure controls	Prevent product from entering drains

9. STABILITY AND REACTIVITY

Stability	Stable
Materials to avoid	Metals
Hazardous decomposition	No information available
Products Polymerization	Hazardous polymerization does not occur.

10. TOXICOLOGICAL INFORMATION

Acute toxicity

Chemical name	LD50 (oral, rat/mouse)	LD50(dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Sodium dodecyl sulfate	1288 mg/kg (rat)	No data available	3900 mg/m ³ (rat)
TRIS base	5900 mg/kg (rat)	No data available	No data Available

Principle Routes of Exposure/Potential Health effects

Eyes	May cause eye irritation with susceptible persons
Skin	May cause skin irritation and/or dermatitis
Inhalation	No information available
Ingestion	No information available

Carcinogenic effects	No information available
Mutagenic effects	No information available
Reproductive toxicity	No information available
Sensitization	No information available

Target organ Effects

No information available

11. ECOLOGICAL INFORMATION

Ecotoxicity effects	No information available
Mobility	No information available
Biodegradation	Inherently biodegradable
Bioaccumulation	Does not bioaccumulate

12. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

13. TRANSPORT INFORMATION

IATA

Proper shipping name

Not classified as dangerous in the meaning of transport regulations

Hazard class

No information available

Subsidiary Class

No information available

Packing group

No information available

UN-No

No information available

14. REGULATORY INFORMATION

International inventories

Chemical name	TSCA	PICCS	ENCS	DSL	NDSL	AICS
Sodium dodecyl sulfate	Listed	Listed	Listed	Listed	-	Listed
TRIS Base	Listed	Listed	Listed	Listed	-	Listed

U.S. Federal Regulations

SARA 313

This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs.

U.S. State Regulations

Chemical Name	Massachusetts-RTK	New Jersey-RTK	Pennsylvania-RTK	Illinois-RTK	Rhode Island-RTK
Sodium dodecyl sulfate	-	-	-	-	-
TRIS Base	-	-	-	-	-

California Proposition 65

This product does not contain chemicals listed under Proposition 65

WHMIS hazard class

D2B Toxic materials

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

15. OTHER INFORMATION

For research use only

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS MSDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

End of Safety Data Sheet