Canvax Reagents, S.L.
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MATERIAL SAFETY DATA SHEET
TBS Buffer (pH 7.4)

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

1.1. PRODUCT DETAILS

Trade Name: TBS Buffer (pH 7.4)

Catalog Number: BR0033, BR0034, BR0038

1.2. COMPANY DETAILS

Supplier: Canvax Reagents S.L., Luis de Mercado St. 19, Boecillo Technological Park, Valladolid (Spain)

1.3. EMERGENCY TELEPHONE NUMBER

Emergency Telephone Number: +34 931768545

2. HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification (67/548/CEE) or (1999/45/CE):

Specific Target Organ Toxicity – single exposure (category 3)	H335: May cause respiratory irritation
Skin irritant (Category 2)	H315: Causes skin irritation
Eye irritation (Category 2)	H319: Causes serious eye irritation

2.2. LABEL ELEMENTS

Hazard pictograms



Hazard Statements

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

2.3. PREVENTIVE ADVICE

P302 + P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES**:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing

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2.4. OTHER HAZARDS

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.

3. CHEMICAL CHARACTERIZATION

Mixtures

Substance	CAS-no.	EC-no.	Weight %	Classification
Sodium Chloride	7647-14-5	231-598-3	50 – 55	Not classified
Tris	77-86-1	201-064-4	5 – 20	Not classified
Tris-HCl	1185-53-1	214-684-5	30 - 40	Skin Irrit 2, H315 Eye Irrit 2, H319 STOT SE 3, H335
Potassium Chloride	7447-40-7	321-211-8	0 - 1	Not classified

4. FIRST AID MEASURES

4.1. DESCRIPTION OF DIRTS AID MEASURES

Inhalation: Move person to fresh air; if person is not breathing, give artificial respiration; get medical attention.

Ingestion: Rinse mouth with water; never give anything by mouth to an unconscious person; get medical attention.

Skin contact: Rinse skin with water. remove contaminated clothes; get medical attention.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

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

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

None.

5. FIRE FIGHTING MEASURES

5.1. EXTINGUISHING MEDIA

Product is non-flammable, with a low risk of fire due to the flammability characteristics of the product in normal conditions of storage, handling and use. In the case of the existence of sustained combustion as a result of improper handling, storage or use any type of extinguishing agent can be used (ABC Powder, water,...)

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Carbon oxides, nitrogen oxides, boran/borone oxides.

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5.3. ADVICE FOR FIRE FIGHTERS

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit...) in accordance with Directive 89/654/EC.

6. ACCIDENTAL RELEASE MEASURES

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Ensure adequate ventilation. Always wear recommended Personal Protective Equipment. Use personal protection equipment. See section 8 for more information.

6.2. ENVIRONMENTAL PRECAUTIONS

Prevent further leakage or spillage if safe to do so. Do not let products enter drains.

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Pick up and arrange the disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4. REFERENCE TO OTHER SECTIONS

See section 8 for more information.

7. HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING

Use personal protective equipment as required. No special handling advices are necessary.

7.2. CONDITIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES

Keep in tightly closed container in a dry and well-ventilated area; use original container.

7.3. SPECIFIC END USE(S)

Not available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. CONTROL PARAMETERS

Contains no substances with occupational exposure limit values.

8.2. EXPOSURE CONTROLS

Special protective equipment



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Eye/face protection: Tight sealing safety goggles.

Hand protection: Wear suitable gloves Glove material: Compatible chemical-resistant gloves.

Other skin and body protection: Wear suitable protective clothing. Wear rubber footwear.

Respiratory protection: In case of insufficient ventilation wear respirators and components tested and approved under appropriate government.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. BASIC INFORMATION ON PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid.

Colour: Colourless.

Odor: Odourless.

Relative density: Not available.

Solubility(ies): Not available.

9.2. OTHER INFORMATION

Not determinated.

10. STABILITY AND REACTIVITY

10.1. REACTIVITY

No hazardous reactions are expected because the product is stable under recommended storage conditions.

10.2. CHEMICAL STABILITY

Stable under normal conditions.

10.3. POSSIBILITY OF HAZARDOUS REACTIONS

Hazardous reaction has not been reported.

10.4. CONDITIONS TO AVOID

No information available.

10.5. INCOMPATIBLE MATERIALS

Avoid strong acids. Avoid acid anhydrides.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

No data available.

11. TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity: No data available.

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Primary irritant effect:

- On the skin: No data available.
- On the eye: No data available.

Additional toxicological information:

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.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Contains no substances known to be hazardous to the environment or not degradable in wastewater treatment plants.

12.1. TOXICITY

No data available.

12.2. PERSISTENCE AND DEGRADABILITY

No data available.

12.3. BIOACCUMULATION POTENTIAL

No data available.

12.4. MOBILITY IN THE SOIL

No data available.

12.5. PBT AND vPvBm ASSESSMENT RESULTS

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.

12.6. OTHER ADVERSE EFFECTS

Not determined.

13. DISPOSAL CONSIDERATIONS

13.1. WASTE TREATMENT METHODS

General information: Waste should be treated as hazardous waste. Dispose of waste to an authorized landfill in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods: Dispose of waste to an authorized landfill in accordance with the requirements of the local Waste Disposal Authority.

14. TRANSPORT INFORMATION

14.1. UN-NUMBER

No information required.

14.2. UN PROPER SHIPPING NAME

No information required.

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14.3. TRANSPORT HAZARD CLASS(ES)

No information required.

14.4. PACKAGING GROUP

No information required

14.5. ENVIRONMENTAL HAZARDS

Hazardous pollutant substance/marine pollutant: No.

14.6. SPECIAL PRECAUTIONS FOR USER

Not Applicable.

14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II MARPOL73/78 AND THE IBC CODE

No information required.

15. REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

National Provisions: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

EU Legislation: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures (as amended).

Guidance: CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131.

15.2. CHEMICAL SAFETY ASSESSMENT

Any chemical safety assessment has been carried out.

16. OTHER INFORMATION

Revision comments: Lines within the margin indicate significant changes from the previous revision.

Revision Date: 27/06/2024

Revision: 01

Date of replacement: No previous revision.