Canvax Reagents, S.L.
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MATERIAL SAFETY DATA SHEET

HigherPurity™ Saliva DNA Extraction Mini Spin Kit

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

1.1. PRODUCT DETAILS

Trade Name: HigherPurity™ Saliva DNA Extraction Mini Spin Kit

Catalog Number: AN0098; AN0098-XL

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):

Skin corrosion / irritation	Category 2
Serious eye damage / eye irritation	Category 2
Acute oral toxicity	Category 4
Respiratory sensitization	Category 1
Long-term (chronic) aquatic hazard	Category 2

Physical Hazards: not classified

Health Hazards: See section 2.2.

Environmental Hazards: not classified.

2.2. LABEL ELEMENTS



H302 Harmful if swallowed

H315 Causes skin irritation

H318 Causes serious eye damage

H319 Causes serious eye irritation

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

H411 Toxic to aquatic life with long lasting effects

H335 May cause respiratory irritation

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2.3. PREVENTIVE ADVICE

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P264 Wash hands thoroughly after handling

P270 Do not eat, drink or smoke when using this product

P273 Avoid release to the environment

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

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

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing

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

P332+P313 If skin irritation occurs: Get medical advice/attention

P337+P313 If eye irritation persists: Get medical advice/attention

P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor

2.4. OTHER HAZARDS

Not applicable

3. CHEMICAL CHARACTERIZATION

Product	Substance	CAS-no.	Weight %	Classificaction according to (67/548/CEE) or (199/45/CE)
BLY Buffer	Guanidine hydrochloride	50-01-1	40-60	Act. Tox 4 / H302 Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Aquatic Hazard / H411
	EDTA	60-00-4	0.5-5	Eye irritation / H319
	Triton x-100	9036-19-5	0.2-2	Act. Tox 4 / H302 Eye Dam. 1 / H318 Aquatic Hazard / H411
Wash Buffer 1	Guanidine-hydrochloride	50-01-1	40-60	Act. Tox 4 / H302 Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Aquatic Hazard / H411
	EDTA	60-00-4	0.5-5	Eye irritation / H319
Proteinase K	Proteinase K	39450-01-6	100	Skin Irrit. 2 / H315 Skin Sens. 1 / H317 Eye Irrit 2 / H319 Resp. Sens. 1 / H334 Resp. Irrit / H335
Wash Buffer 2	Contains no hazardous substances in concentrations to be declared.			

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PBS 1x	Contains no hazardous substances in concentrations to be declared.

Elution Buffer	Contains no hazardous substances in concentrations to be declared.

4. FIRST AID MEASURES

4.1. DESCRIPTION OF DIRTS AID MEASURES

Inhalation. Supply fresh air. Call a doctor/physician immediately. If not breathing, give artificial respiration. In case of unconsciousness, place patient stably in side position for transportation.

Ingestion: Call a doctor/physician or Poison Control Centre immediately. Rinse mouth with water, repeatedly. Drink large amounts of water. Do not induce vomiting without medical advice.

Skin contact: Remove all contaminated clothes. Immediately wash skin with water.

Eye contact: Immediately rinse opened eyes with large amounts of water during at least 15 minutes. Remove contact lenses. Get medical attention in case eye(s) remain irritated.

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

None known.

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

Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

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6.2. ENVIRONMENTAL PRECAUTIONS

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Absorb with appropriate absorbent material (e.g. sawdust, sand, diatomite, acid binders, universal binders, sodium bicarbonate, crushed limestone, etc) and place in closed adequate containers for proper disposal.

6.4. REFERENCE TO OTHER SECTIONS

For disposal: see section 13

7. HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING

Always wear recommended Personal Protective Equipment

7.2. CONDITIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES

Store at room temperature.

7.3. SPECIFIC END USE(S)

For research use only (RUO). Not for diagnostic use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. CONTROL PARAMETERS

Contains no substances with occupational exposure limit values.

8.2. EXPOSURE CONTROLS

Special protective equipment



Eye/face protection: Safety glasses. Used to prevent splash hazards. Government standards such as NIOSH (US) or EN 166(EU).

Skin Protection: Recommended to avoid contamination with these hazards.

Hand protection: Protective gloves, use for short times chemical resistant latex gloves with code EN 374-3 level 1.

Respiratory protection: Not necessary, if the workplace is well-ventilated.

Personal Hygiene: Wash hands before breaks and at the end of work. Handle in accordance with good industrial hygiene and safety practice.

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. BASIC INFORMATION ON PHYSICAL AND CHEMICAL PROPERTIES

Substance	Appearance	Colour	Odour	Solubility	pH	Relative Density
BLU Buffer	Liquid	Colourless	Odourless	Not available	6.0	Not available
WB1 Buffer	Liquid	Colourless	Odourless	Not available	6.0	Not available
WB2 Buffer	Liquid	Colourless	Odourless	Not available	7.0-8.0	Not available
EB Buffer	Liquid	Colourless	Odourless	Not available	6.0-8.0	Not available
Proteinase K	Powder (Lyophilized)	Not available	Odourless	Not available	Not available	Not available
PBS	Liquid	Colourless	Odourless	Not available	7.0-8.0	Not available

9.2. OTHER INFORMATION

Not determinated.

10. STABILITY AND REACTIVITY

10.1. REACTIVITY

There are no known reactivity hazards associated with this product.

10.2. CHEMICAL STABILITY

Stable at normal room temperature and when used as recommended.

10.3. POSSIBILITY OF HAZARDOUS REACTIONS

Hazardous reaction has not been reported.

10.4. CONDITIONS TO AVOID

No specific data.

10.5. INCOMPATIBLE MATERIALS

No information avaiable.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

Guanidine-hydrochloride

- Oral toxicity: LD50 rat 1320 mg/kg

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- Toxicity (inhalation): LD50 rat 1330 mg/l (4 h)
- Toxicity (others): LD50 intraperitoneal mouse 1500 mg/kg

Acute toxicity:

There is no evidence available indicating acute toxicity.

Primary irritant effect:

- On the skin: Irritant to skin and mucous membranes.
- On the eye: Irritating effect.

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.

Note: Hazard class 1, slightly hazardous to water and ground.

12.1. TOXICITY

It is not considered toxic to fish.

12.2. PERSISTENCE AND DEGRADABILITY

There are no data on the degradability of this product.

12.3. BIOACCUMULATION POTENTIAL

No data on bioaccumulation.

12.4. MOBILITY IN THE SOIL

No data available.

12.5. PBT AND vPvBm ASSESSMENT RESULTS

This mixture does not contain any substances that are assessed to be a PBT or a vPvB..

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: Used reagent can be disposed of in wastewater in accordance with local regulations. Dispose of empty packs by local recycling or waste disposal routes, if necessary, clean them beforehand.

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14. TRANSPORT INFORMATION

14.1. UN-NUMBER

No information required.

14.2. UN PROPER SHIPPING NAME

No information required.

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

None

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

Revision Date: 19/09/2024

Revision: 01

Date of replacement: No previous revision.