

MATERIAL SAFETY DATA SHEET

HigherPurity™ Blood Genomic DNA Extraction Kit

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

1.1. PRODUCT DETAILS

Trade Name: HigherPurity™ Blood Genomic DNA Extraction Kit

Catalog Number: AN0043-S, AN0043-M, AN0043

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: 900-868538 (CHEMTREC España)
+(34)-931768545 (CHEMTREC international)

2. HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification (67/548/CEE) or (1999/45/CE): not classified.

S1 Buffer

Contains no hazardous substances in concentrations to be declared

S2 Buffer

Substance / Mixture: Proprietary compound mixture
Hazardous ingredients: No hazardous ingredients

S3 Buffer

Substance / Mixture: Proprietary compound mixture
Hazardous ingredients: No hazardous ingredients

Proteinase K (lyophilized)

Chemical name: Proteinase K
CAS No: 39450-01-6

EB Buffer

Contains no hazardous substances in concentrations to be declared

2.2. LABEL ELEMENTS

S1 Buffer

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008
Not a hazardous substance or mixture according to EC directives 67/548/EEC or 1999/45/EC

S2 Buffer

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008
Not a hazardous substance or mixture according to EC directives 67/548/EEC or 1999/45/EC

S3 Buffer

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008



MATERIAL SAFETY DATA SHEET

HigherPurity™ Blood Genomic DNA Extraction Kit

Not a hazardous substance or mixture according EC directives 67/548/EEC or 1999/45/EC

Proteinase K (lyophilized)

Hazard description: XN Harmful

R 36/37/38 Irritating to eyes, respiratory system and skin.

R 42 Irritant - may cause sensitization by inhalation and skin contact.

EB Buffer

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

Not a hazardous substance or mixture according EC directives 67/548/EEC or

1999/45/EC

2.3. PREVENTIVE ADVICE

NA.

2.4. OTHER HAZARDS

NA.

3. FIRST AID MEASURES

3.1. DESCRIPTION OF FIRST AID MEASURES

Inhalation: Move to fresh air in case of accidental inhalation of vapours or decomposition products. If symptoms persist, call a physician.

Ingestion: Clean mouth with water and afterwards drinks plenty of water. Do not induce vomiting. Consult a physician for severe cases.

Skin contact: Wash off immediately with plenty of water. In the case of skin irritation or allergic reactions see a physician.

Eye contact: Rinse immediately with plenty of water, also under the eyelids. Consult a physician.

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

NA.

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

NA.

4. FIRE FIGHTING MEASURES

4.1. EXTINGUISHING MEDIA

No restriction..

4.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

None.



MATERIAL SAFETY DATA SHEET

HigherPurity™ Blood Genomic DNA Extraction Kit

4.3. ADVICE FOR FIRE FIGHTERS

These products do not burn themselves. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5. ACCIDENTAL RELEASE MEASURES

5.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

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

5.2. ENVIRONMENTAL PRECAUTIONS

No restriction.

5.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Sweep up spilled solids carefully. Dilute spilled liquids with plenty of water and adsorb.

5.4. REFERENCE TO OTHER SECTIONS

For disposal see section 13.

6. HANDLING AND STORAGE

6.1. PRECAUTIONS FOR SAFE HANDLING

When using, do not eat, drink or smoke. Avoid contact with skin and eyes. Wash hands before breaks and at the end of workday. Take off all contaminated clothing immediately.

6.2. CONDITIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES

Normal measures for preventive fire protection.

6.3. SPECIFIC END USE(S)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

7. EXPOSURE CONTROLS / PERSONAL PROTECTION

7.1. CONTROL PARAMETERS

No data available.

7.2. EXPOSURE CONTROLS



MATERIAL SAFETY DATA SHEET

HigherPurity™ Blood Genomic DNA Extraction Kit

Special protective equipment



Eye/face protection: The following protection should be worn: Safety glasses.

Hand protection: It is recommended that gloves be made of the following materials: Nitrile rubber.

Other skin and body protection: Wear rubber apron. Wear rubber footwear.

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.

8. PHYSICAL AND CHEMICAL PROPERTIES

8.1. BASIC INFORMATION ON PHYSICAL AND CHEMICAL PROPERTIES

S1 Buffer

Appearance: Colourless, Liquid.

Odor: Odorless.

Solubility(ies): No data available

S2 Buffer

Appearance: Colourless, Liquid.

Odor: Odorless.

Solubility(ies): No data available

S3 Buffer

Appearance: Colourless, Liquid.

Odor: Odorless.

Solubility(ies): No data available

pH: No data available

ProteinaseK

Appearance: Solid.

Odor: Characteristic.

Solubility(ies): No data available

pH: no data available

8.2. OTHER INFORMATION

Not determined.

9. STABILITY AND REACTIVITY



MATERIAL SAFETY DATA SHEET

HigherPurity™ Blood Genomic DNA Extraction Kit

9.1. REACTIVITY

No decomposition if stored and applied as directed.

9.2. CHEMICAL STABILITY

No decomposition if stored and applied as directed.

9.3. POSSIBILITY OF HAZARDOUS REACTIONS

Stable under recommended storage conditions.

9.4. CONDITIONS TO AVOID

No data available.

9.5. INCOMPATIBLE MATERIALS

No data available.

9.6. HAZARDOUS DECOMPOSITION PRODUCTS

No decomposition if stored and applied as directed.

10. TOXICOLOGICAL INFORMATION

10.1. INFORMATION ON TOXICOLOGICAL EFFECTS

Inhalation: May cause respiratory irritation by inhalation.

-S1 Buffer; S2 Buffer; S3 Buffer; and EB Buffer.

Acute toxicity: No data available.

Potential health effects:

Eyes – may be irritating to eyes with susceptible persons. Non-corrosive for the eyes.

Skin – may be slightly irritating to skin. Non-corrosive for the skin.

Inhalation –may be irritating to respiratory system. Non-corrosive for lungs.

-Proteinase K (lyophilized);

Acute toxicity: No data available.

Irritant effect: Irritating to eyes, skin, mucous membranes and respiratory tract.

Sensitization: May cause sensitization through inhalation or skin contact.

11. ECOLOGICAL INFORMATION

Ecotoxicity: The components of the product are not classified as hazardous to the environment. Large or frequent spills may have harmful effects on the environment.

11.1. TOXICITY

No data available.

11.2. PERSISTENCE AND DEGRADABILITY

No data available



MATERIAL SAFETY DATA SHEET

HigherPurity™ Blood Genomic DNA Extraction Kit

11.3. BIOACCUMULATION POTENTIAL MOBILITY IN THE SOIL

No data available.

11.4. 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.

11.5. OTHER ADVERSE EFFECTS

Not determined.

12. DISPOSAL CONSIDERATIONS

12.1. WASTE TREATMENT METHODS

No information required.

General information: Used reagent can be disposed of in the waste water in accordance with local regulations.

Disposal methods: Dispose of empty packs by local recycling or waste disposal routes if necessary, clean them beforehand..

13. TRANSPORT INFORMATION

13.1. UN-NUMBER

None.

13.2. UN PROPER SHIPPING NAME

ADR/RID: FLAMMABLE SOLID: None

IMDG: FLAMMABLE SOLID, None

IATA: Flammable solid, None

13.3. TRANSPORT HAZARD CLASS(ES)

ADR/RID: - IMDG: - IATA: -

13.4. PACKAGING GROUP

ADR/RID: - IMDG: - IATA: -

13.5. ENVIRONMENTAL HAZARDS

Hazardous pollutant substance/marine pollutant: No.

13.6. SPECIAL PRECAUTIONS FOR USER

No information required.

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

No information required.



MATERIAL SAFETY DATA SHEET

HigherPurity™ Blood Genomic DNA Extraction Kit

14. REGULATORY INFORMATION

14.1. 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.

Hazard Classification for water: WGK 2

14.2. CHEMICAL SAFETY ASSESSMENT

Any chemical safety assessment has been carried out.

15. OTHER INFORMATION

This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. Users should make independent decisions regarding completeness of the information based on all sources available.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

Canvax Reagents S.L. shall not be held liable for any damage resulting from handling or from contact with the above product. See our website for our terms and conditions of sales.

