

MATERIAL SAFETY DATA SHEET

HigherPurity™ Food DNA Purification Kit

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

1.1. PRODUCT DETAILS

Trade Name: HigherPurity™ Food DNA Purification Kit

Catalog Number: AN0240; AN0241; AN0241-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):

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

Physical Hazards: not classified

Health Hazards: See section 2.2.

Environmental Hazards: not classified.

2.2. LABEL ELEMENTS



H302 Harmful if swallowed, in contact with skin or if inhaled.

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.

H335 May cause respiratory irritation

H411 Toxic to aquatic life with long lasting effects



MATERIAL SAFETY DATA SHEET

HigherPurity™ Food DNA Purification Kit

2.3. PREVENTIVE ADVICE

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

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

2.4. OTHER HAZARDS

None known

3. CHEMICAL CHARACTERIZATION

Product	Substance	CAS-no.	Weight %	Classification according to (67/548/CEE) or (199/45/CE)
Lysis Solution A (LSA)	CTAB	5957-59-00	1 - 5	Act. Tox 4 / H302 Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Aquatic Hazard / H411
Lysis Solution B (LSB)	Tween 20	9005-64-5	20 - 30	Act. Tox 4 / H302 Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Aquatic Hazard / H411
WB1 Buffer	Guanidine-hydrochloride	50-01-1	> 60	Act. Tox 4 / H302 Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Aquatic Hazard / H411
Proteinase K	Proteinase K	39450-01-6	70 - 90	Eye Irrit 1 / H319 Resp. Sens / H334 Resp. Irrit / H335
WB2 Buffer	Contains no hazardous substances in concentrations to be declared.			
EB Buffer	Contains no hazardous substances in concentrations to be declared.			

4. FIRST AID MEASURES

4.1. DESCRIPTION OF FIRST AID MEASURES

Inhalation. Toxic by 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: Immediately wash skin with soap and flush with large amounts of water. Remove all contaminated clothes. Call a doctor/physician immediately



MATERIAL SAFETY DATA SHEET

HigherPurity™ Food DNA Purification Kit

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

No data available.

5. FIRE FIGHTING MEASURES

5.1. EXTINGUISHING MEDIA

No restriction.

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.

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

Avoid exposure. Prevent contact with skin, eyes and clothing. Remove all sources of ignition.



MATERIAL SAFETY DATA SHEET

HigherPurity™ Food DNA Purification Kit

7.2. CONDITIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage

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



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

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

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

Respiratory protection: If ventilation is insufficient, suitable respiratory protection should be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. BASIC INFORMATION ON PHYSICAL AND CHEMICAL PROPERTIES

Lysis Solution A (LSA)

Appearance: yellowish, Liquid

Odour: Odourless

Solubility: no data available

pH: 8-9

Lysis Solution B (LSB)

Appearance: yellowish, Liquid

Odour: Odourless

Solubility: no data available

pH: 7-8

Proteinase K

Appearance: Powder (Lyophilized)

Odour: Odourless

Solubility: no data available



MATERIAL SAFETY DATA SHEET

HigherPurity™ Food DNA Purification Kit

WB1 Buffer

Appearance: Colourless, Liquid
Odour: Odourless
Solubility: no data available
pH: 6-7

WB2 Buffer

Appearance: Colourless, Liquid
Odour: Odourless
Solubility: no data available
pH: 7-8

Elution Buffer

Appearance: Colourless, Liquid
Odour: Odourless
Solubility: no data available
pH: 6-8

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

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. CONDITIONS TO AVOID

No specific data.

10.5. INCOMPATIBLE MATERIALS

Not determined.

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

No acute toxicity information is available for this product.



MATERIAL SAFETY DATA SHEET

HigherPurity™ Food DNA Purification Kit

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.
- Sensitization: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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

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

The product is soluble in water.

12.5. PBT AND vPvBm ASSESSMENT RESULTS

This product does not contain substances classified as PBT or 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: 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.



MATERIAL SAFETY DATA SHEET

HigherPurity™ Food DNA Purification Kit

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

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

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: 13/02/2024

Revision: 01

Date of replacement: No previous revision.

