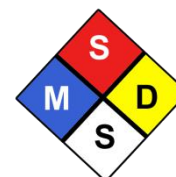


Material Safety Data Sheet

Revision Date: 25-Jul-2017

Prepared according to 1907/2006/EC, Article 31

Material Safety Data Sheet



HigherPurity™ Plant DNA Isolation Kit

Ref:

AN0110-S

AN0110

AN0112

1- Company/Undertaking Identification

1.2 Company Details:

CANVAX BIOTECH, S.L.



: C/ Astrónoma Cecilia Payne. Edif. Orión. 14014 Córdoba, Spain.



: +34 957 325 454



: +34 957 325 335



: info@canvaxbiotech.com

1.3 Toxicological Information Service:

European emergency number: 112

Italy:

CHEMTREC 800-789-767

CHEMTREC (Milan) +(39)-0245557031

Spain:

CHEMTREC 900-868538

CHEMTREC (Barcelona) +(34)-931768545

For Research use only

2. CHEMICAL CHARACTERISATION

BL1A Buffer:

2.5-5 % Sodium dodecylsulfate; CAS-No. 151-21-3

**BL2 Buffer:**

0.2-1 % Sodium hydroxide; CAS-No. 1310-73-2 UN-No. 1823

BL3 Buffer:

25-50% M Guanidinium chloride; CAS-No.00050-01-1

Wash buffer1:

25-60% M Guanidinium chloride; CAS-No.00050-01-1

Wash Buffer 2:

0.5-2 % Sodium dodecylsulfate; CAS-No. 151-21-3

Elution Buffer:

Contains no hazardous substances in concentrations to be declared

3. HAZARDS IDENTIFICATION

Hazard description: not applicable

Information pertaining to particular dangers for man and environment: not applicable

4. FIRST AID MEASURES

General information: No special measures required.

Skin contact: Wash skin with water thoroughly.

Eye contact: Promptly wash eyes with water for at least 15 minutes, if necessary seek medical advice.

Ingestion: Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing agents:

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment: No special measures required.

6. ACCIDENTAL RELEASE MEASURES

Actions to be taken on spillage: Sweep up spilled solids carefully. Dilute spilled liquids with plenty of water and adsorb.

Absorbent material: No restriction.

Actions to be taken to limit damage: Special measures to limit damage are not necessary.

7. HANDLING AND STORAGE

Handling: Liquid is not inflammable. Liquid is not combustible. Open and handle vessels carefully.

Storage: Store at room temperature.



Do not store together with: No restriction.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection: No personal respiratory protective equipment normally required.

Eye protection: Safety glasses

Hand protection: One-way gloves

Hygiene measures: Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Change in condition

Melting point/Melting range: undetermined

Boiling point/Boiling range: 100°C

Flash point: Not applicable

Self-igniting: Product is not self-igniting.

Danger of explosion: Product does not present an explosion hazard.

Solubility in / Miscibility with Water: Fully miscible

Organic solvents: 0,0 %

Water: 50-100%

Solids content: 10-20 %

BL1A Buffer

Appearance: Colourless, Liquid

Odour: Odourless

BL2 buffer

Appearance: Colourless, Liquid

Odour: Odourless

BL3 Buffer

Appearance: Colourless, Liquid

Odour: Odourless

Wash Buffer 1

Appearance: Colourless, Liquid

Odour: Odourless

WB1 Buffer 2

Appearance: Colourless, Liquid

Odour: Odourless

Elution Buffer

Appearance: Colourless, Liquid

Odour: Odourless

pH : 8.5

10. STABILITY AND REACTIVITY

Hazardous reactions: none under normal use

Hazardous decomposition products: No dangerous decomposition products known.



11. TOXICOLOGICAL INFORMATION

Acute toxicity:

LD/LC50 values that are relevant for classification:

- 77-86-1 Tris(hydroxymethyl)aminomethane: Oral LD₅₀ 5900 mg/kg (rat)
- 6381-92-6 Ethylenediaminetetraacetic acid disodium salt dehydrate: Oral LD₅₀ 2000 mg/kg (rat)
- 151-21-3 sodium dodecyl sulphate: Oral LD₅₀ 1288 mg/kg (rat)

Primary irritant effect:

On the skin: No irritant effect.

On the eye: No irritating effect.

Sensitization: No sensitizing effects known.

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.

11. ECOLOGICAL INFORMATION

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12. DISPOSAL CONSIDERATIONS

Waste disposal route: Used reagent can be disposed of in the waste water in accordance with local regulations.

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

13. TRANSPORT INFORMATION

- **Land transport ADR/RID (cross-border):** None
- **ADR/RID class:** None
- **Maritime transport IMDG:** None
- **IMDG Class:** None
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:** None
- **ICAO/IATA Class:** None
- **Transport/Additional information:** Not dangerous according to the above specifications.

14. REGULATIONS

• **Safety phrases:**

Observe the general safety regulations when handling chemicals

• **National regulations**



- **Water hazard class:** Generally, not hazardous for water.

15. OTHER INFORMATION

For research use only Not for diagnostic or therapeutic use on humans or animals. The preceding information was acquired through a research and diligent investigation and the recommendations are based on prudent application of professional judgment. The information should not be considered as exhaustive and should be used only as a guide. All materials and mixtures may present unknown hazards and should be used with care. Since the company cannot control the actual methods, volumes, or the field conditions, the company shall not be liable for any damages or losses resulting from handling or from contact with the product described herein. THE INFORMATION IN THIS MSDS DOES NOT CONSTITUTE A WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.