Canvax Reagents, S.L.
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MATERIAL SAFETY DATA SHEET
WideUSE™ Plasmid Midiprep Kit

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

1.1. PRODUCT DETAILS

Trade Name: WideUSE™ Plasmid Midiprep Kit

Catalog Number: AN0168

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
Skin corrosion	Category 1A
Flammable liquids	Category 3
Serious eye damage / eye irritation	Category 2A
Serious eye damage	Category 1

Physical Hazards: not classified

Health Hazards: See section 2.2.

Environmental Hazards: not classified.

2.2. LABEL ELEMENTS



H226 Flammable liquid and vapor

H314 Causes severe skin burns and eye damage

H315 Causes skin irritation

H319 Causes serious eye irritation

2.3. PREVENTIVE ADVICE

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking

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P264 Wash hands thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection/face protection

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

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

P303+P361+P353 IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water/shower

P305+P351+P338+P310 IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor

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

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

P362+P364 Take off contaminated clothing and wash it before reuse

P363 Wash contaminated clothing before reuse

P403 Store in a well-ventilated place

P501 Dispose of contents/container to an approved waste disposal plant

2.4. OTHER HAZARDS

Not applicable

3. CHEMICAL CHARACTERIZATION

Product	Substance	CAS-no.	Weight %	Classificaction according to (67/548/CEE) or (199/45/CE)
Equilibration Buffer	Isopropanol	67-63-0	10 - 20	Flam. Liq. 3 / H226 Eye Irrit. 2A / H319
	4-Morpholinepropane sulfonic acid	1132-61-2	1 – 10	-
Resuspension Solution	Contains no hazardous substances in concentrations to be declared.			
Lysis Solution	Sodium dodecyl sulfate	151-21-3	1 - 5	Skin Irrit. 2 / H315 Eye Irrit. 2A / H319
	Sodium hydroxide	1310-73-2	1 – 1.5	
Neutralization Solution	Acetate acid	64-19-7	10 - <20	Skin Corr. 1A / H314 Serious Eye Dam. 1 / H314
Wash Buffer	Isopropanol	67-63-0	10 - 20	Flam. Liq. 3 / H226 Eye Irrit. 2A / H319
	4-Morpholinepropane sulfonic acid	1132-61-2	1 – 10	-
Elution Buffer	Contains no hazardous substances in concentrations to be declared.			
RNase A	Ribonuclease A from bovine pancreas	9001-99-4	-	-

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4. FIRST AID MEASURES

4.1. DESCRIPTION OF DIRTS AID MEASURES

Inhalation: If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion: If accidentally swallowed obtain immediate medical attention. Rinse mouth with water. Never give anything by mouth to an unconscious person.

Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.

Eye contact: Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

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

Wear Personal Protective Equipment. If skin irritation occurs: Get medical advice.

5. FIRE FIGHTING MEASURES

5.1. EXTINGUISHING MEDIA

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Do not allow run-off from fire fighting to enter drains or water courses. Exposure to decomposition products may be a hazard to health.

5.3. ADVICE FOR FIRE FIGHTERS

No explosion hazard.
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

Use personal protective equipment. Remove all sources of ignition. Evacuate personnel to safe areas. Avoid breathing dust/fume/gas/mist/vapors/spray. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

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

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations.

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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

Keep container tightly closed in a dry, cool and well-ventilated place.

7.3. SPECIFIC END USE(S)

For research use only.

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: Choose body protection according to the amount and concentration of the dangerous substance at the workplace. Footwear protecting against chemicals. Workers should wear antistatic footwear.

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: Keep away from food and drink. Wash hands before breaks and at the end of workday. Ensure adequate ventilation, especially in confined areas. Avoid contact with the skin and the eyes. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. BASIC INFORMATION ON PHYSICAL AND CHEMICAL PROPERTIES

Equilibration Buffer
Appearance: Liquid
Color: Clear
Odor: Odorless
pH: 7.0

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Resuspension Solution
Appearance: Liquid
Color: Clear
Odor: Odorless
pH: 7.5-8.5

Lysis Solution
Appearance: Liquid
Color: No data
Odor: Odorless
pH: 13.0
Density: 1.008 g/cm^3

Neutralization Solution
Appearance: Liquid
Color: No data
Odor: Characteristic
pH: 3.0-4.0
Specific gravity: 1.15 g/cm^3
Flash point: >70°C

Wash Buffer
Appearance: Liquid
Color: Clear
Odor: Odorless
pH: 7.0

Elution Buffer
Appearance: Liquid
Color: Clear
Odor: Odorless
pH: 8.3-9.0

RNase A
Appearance: Liquid
Odor: Odorless

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

No data available.

10.3. POSSIBILITY OF HAZARDOUS REACTIONS

None.

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10.4. CONDITIONS TO AVOID

Heat, flames and sparks.

10.5. INCOMPATIBLE MATERIALS

None.

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.

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: Causes serious eye irritation.

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

12.1. TOXICITY

Following information is valid for pure substances:

Isopropanol

- CAS No.: 67-63-0
- LC50 (Pimephales promelas (fathead minnow)): 9,640 mg/l
- Exposure time: 96 h
- EC50 (Desmodesmus subspicatus (green algae)): 2,000 mg/l
- Exposure time: 72 h

4-Morpholinepropane sulfonic acid

- CAS No.: 1132-61-2
- EC50 (Daphnia magna (Water flea): 100 mg/l
- Exposure time: 48 h.

Sodium dodecyl sulfate

- CAS No.: 151-21-3
- EC50 Daphnia magna/48h: 1.8 mg/L

Sodium hydroxide

- CAS No.: 1310-73-2WGK (DE): 1

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- No data available

Acetate acid

- CAS No.: 64-19-7
- Toxicity to fish: LC50 (Oncorhynchus mykiss (rainbow trout)): 1,000 mg/l, Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): 300.82 mg/l,
- Exposure time: 48 h

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 mixture does not contain substances classified as PBT or vPvB.

12.6. OTHER ADVERSE EFFECTS

No data available.

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.

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.

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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: 09/07/2024

Revision: 01

Date of replacement: No previous revision.