

MATERIAL SAFETY DATA SHEET

pSpark® III DNA Cloning Kit

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

Product Details:

Trade Name: pSpark® III DNA Cloning Kit

Cat. No.	Size
C0003-S	10 rxn
C0003	20 rxn

1.1. COMPANY DETAILS

Supplier: Canvax Reagents S.L., Luis de Mercado St. 19, Boecillo Technological Park, Valladolid (Spain)

1.2. EMERGENCY TELEPHONE NUMBER

European emergency number: 112

Spain:

CHEMTREC 900-868538

CHEMTREC (Barcelona) +(34)-931768545

2. CHEMICAL CHARACTERISATION

1. pSpark® III (20 ng/μL):

Chemical characterization: Mixtures

Description:

The product is a mixture of the hazardous substances listed below along with unlisted nonhazardous substances.

Components: Void

The product contains no substances which at their given concentration, are considered to be hazardous to health.

We recommend handling all chemicals with caution.

2. Insert Control 1 kb (20 ng/μL):

Chemical characterization: Mixtures

Description:

The product is a mixture of the hazardous substances listed below along with unlisted nonhazardous substances.

Components: Void

The product contains no substances which at their given concentration, are considered to be hazardous to health.

We recommend handling all chemicals with caution.



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3. T4 DNA Ligase (5U/Weiss)

Chemical characterization: Mixtures

Description:

The product is a mixture of the hazardous substances listed below along with unlisted nonhazardous substances.

Components:

CAS: 56-81-5 EINECS: 200-289-5	glycerol	substance with a Community workplace exposure limit	25-50%
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4. T4 DNA Ligase Buffer (5x)

Chemical characterization: Mixtures

Description:

The product is a mixture of the hazardous substances listed below along with unlisted nonhazardous substances.

Components: Void

The product contains no substances which at their given concentration, are considered to be hazardous to health.

We recommend handling all chemicals with caution.

4. PEG 6000 (10x)

Chemical characterization: Mixtures

Description:

Components:

Chemical name	EC No	CAS No	Weight-%
PEG 6000 Polyethylene glycol 6000	500-038-2	25322-68-3	30 - 70

The product contains no substances which at their given concentration, are considered to be hazardous to health.

We recommend handling all chemicals with caution.

3. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Regulation (EC) No 1272/2008

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

Hazard statements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

EUH210

GHS - Classification

Signal Word not hazardous

Health hazard not hazardous



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Physical hazards not hazardous
European Union Not hazardous
EU Specific Hazard Statements
R-phrases(s) None
S-phrases(s) None

4. FIRST AID MEASURES

Skin contact Rinse with plenty of water. If symptoms arise, call a physician.
Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Ingestion Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.
Inhalation Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.
Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.
Special protective equipment for firefighters Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Use personal protective equipment.
Methods for cleaning up Soak up with inert absorbent material.
Environmental precautions Prevent further leakage or spillage if safe to do so.

7. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes and clothing. Wear personal protective equipment
Storage Keep in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits Exposure Limits Contains no substances with occupational exposure limit values.
Engineering measures Ensure adequate ventilation, especially in confined areas.
Personal protective equipment Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.
Respiratory protection In case of insufficient ventilation wear suitable respiratory equipment
Hand protection Impervious gloves.
Eye protection Safety glasses with side-shields.
Skin and body protection Lightweight protective clothing.
Hygiene measures Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls No special environmental precautions required.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information
Form liquid
Appearance No information available
Odour No information available
Boiling Point/Range °C No data available °F No data



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available **Melting point/range** °C No data available °F No data available
Flash point °C No data available °F No data available
Autoignition temperatura °C No data available °F No data available
oxidising properties No information available
Water solubility soluble

10. STABILITY AND REACTIVITY

Reactivity None known

Stability Stable under normal conditions.

Materials to avoid No dangerous reaction known under conditions of normal use.

Hazardous decomposition products None under normal use.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

There is no evidence available indicating acute toxicity.

Principle Routes of Exposure/Potential Health effects

Eyes Conclusive but not sufficient for classification.

Skin Conclusive but not sufficient for classification.

Inhalation Conclusive but not sufficient for classification.

Ingestion Conclusive but not sufficient for classification.

Carcinogenic effects Conclusive but not sufficient for classification.

Mutagenic effects Conclusive but not sufficient for classification.

Sensitization Conclusive but not sufficient for classification.

Target Organ Effects No known effects under normal use conditions

12. ECOLOGICAL INFORMATION

Toxicity Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

Persistence and degradability No information available

Bioaccumulative potential No information available

Results of PBT and vPvB assessment This mixture does not contain any substances that are assessed to be a PBT or a vPvB

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

IATA / ADR / DOT-US / IMDG

Not classified as dangerous in the meaning of transport regulations

Proper shipping name Not applicable.

Hazard class None

Subsidiary Class None

Packing group Not applicable

UN-No Not applicable



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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 Biotech 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.

