Canvax Reagents, S.L.
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Valladolid, Spain.

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MATERIAL SAFETY DATA SHEET
SOD Activity Assay Kit

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

1.1. PRODUCT DETAILS

Trade Name: SOD Activity Assay Kit

Catalog Number: CA061

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):

Respiratory sensitisation	Category 1

Physical Hazards: not classified

Health Hazards: See section 2.2.

Environmental Hazards: not classified.

2.2. LABEL ELEMENTS



H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

2.3. PREVENTIVE ADVICE

P261 Avoid breathing dust

P284 Wear respiratory protection

P304+P340+P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor

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

2.4. OTHER HAZARDS

Not applicable

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3. CHEMICAL CHARACTERIZATION

Product	Substance	CAS-no.	Weight %	Classificaction according to (67/548/CEE) or (199/45/CE)
WST-1 reagent	Contains no hazardous substances in concentrations to be declared.			
SOD Dilution Buffer	Contains no hazardous substances in concentrations to be declared.			
SOD Assay Buffer	Contains no hazardous substances in concentrations to be declared.			
SOD Enzyme Solution	Xanthine Oxidase	9002-17-9	30-50	Resp. Sens 1, H334
SOD Standard	Superoxide oxidoreductase	9054-89-1	90-100	Resp. Sens 1, H334

4. FIRST AID MEASURES

4.1. DESCRIPTION OF DIRTS AID MEASURES

Inhalation: After inhalation: fresh air. Call a physician.

Ingestion: make victim drink water (two glasses at most). Call a physician immediately.

Skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

Eye contact: rinse out with plenty of water. Remove contact lenses.

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

Water Foam Carbon dioxide (CO2) Dry powder

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

For this substance/mixture no limitations of extinguishing agents are given.

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.

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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

Do not let product enter drains.

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Cover drains. 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.

6.4. REFERENCE TO OTHER SECTIONS

For disposal: see section 13

7. HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING

Advice on safe handling
Work under hood. Do not inhale substance/mixture.
Hygiene measures
Change contaminated clothing. Preventive skin protection is recommended. Wash hands after working with substance. For precautions see section 2.2.

7.2. CONDITIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES

Recommended storage temperature: see labels

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).

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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: required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Recommended Filter type: Filter type P2.

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.

Environmental exposure controls: Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. BASIC INFORMATION ON PHYSICAL AND CHEMICAL PROPERTIES

WST-1 Reagent
Liquid
pH 7.2-7.6

SOD Dilution Buffer
Liquid
pH 6-8

SOD Assay Buffer
Liquid

SOD Enzime Solution
Liquid

SOD Standard (3000 U/mg)
Powder

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

No data available.

10.4. CONDITIONS TO AVOID

No data available.

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10.5. INCOMPATIBLE MATERIALS

No data available.

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

Acute toxicity:

No data available

Primary irritant effect:

No data available

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

No data available.

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.

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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.

14.6. SPECIAL PRECAUTIONS FOR USER

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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.

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16. OTHER INFORMATION

Revision comments NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision Date: 19/09/2024

Revision: 01

Date of replacement: No previous revision.