



Safety Data Sheet

Revision Date: 17 October 2016

Product Name: DetectX® Superoxide Dismutase Colorimetric Activity Kit

Section 1: Identification

Product Name: DetectX® Superoxide Dismutase Colorimetric Activity Kit
Also known as: Catalog Number K028-H1 or SOD Activity Kit
Manufacturer / Supplier: Arbor Assays
1514 Eisenhower Place
Ann Arbor, MI 48108-3284 Telephone 734-677-1774 (U.S.)
U.S.A. Fax 734-677-6860 (U.S.)
Recommended Use: For Research Use Only

Section 2: Hazard(s) Identification

Classification: Regulation (EC) No. 1272/2008 [CLP/GHS]
Hazard statements: This product contains no substances considered hazardous to health at supplied concentrations.
Precautionary statements: Wear protective gloves, clothing, and eye/face protection. As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to these products and ensure prompt removal from skin, eye, and clothing.

Section 3: Information on Ingredients

Components: SOD Standard (C098-1EA)
Assay Buffer (X100-50ML)
Xanthine Oxidase Buffer (X102-6ML)
Xanthine Oxidase Concentrate (C099-225UL)
Substrate Diluent (X101-12ML)
Detection Substrate Concentrate (C100-1.1ML)
Additional components of this kit are non-hazardous or the specific chemical identity and/or exact percentage (concentration) of composition have been withheld as a trade secret.

Section 4: First-Aid Measures

Inhalation If inhaled, remove to fresh air.
Skin Contact Wash thoroughly with soap and water.
Eye Contact Rinse eyes with water as a precaution.
Ingestion If swallowed, wash out mouth with water if person is conscious.

Section 5: Fire-Fighting Measures

Extinguishing Media Suitable: Water spray. Carbon Dioxide, dry chemical powder.
Firefighting Protective Equipment: Wear self-contained breathing apparatus and protective clothing if necessary.

Section 6: Accidental Release Measures

Cleanup Procedures Wear appropriate protective clothing. Wipe up spill, place in suitable, closed container for appropriate disposal. Wash area of spill with soap and water.
Waste Disposal Dispose of in accordance with federal, state, and local regulations.

Section 7: Handling and Storage

Handling Avoid getting product on you or in you. Always wear appropriate protective clothing. Always wash hands and other exposed areas thoroughly after using product. Do not eat or drink while using product. Qualified and experienced professionals only should handle product.
Storage Store according to the package insert instructions.

Section 8: Exposure Controls / Personal Protection

Engineering Controls No special engineering controls are required when working with this kit. Use adequate ventilation.
Protective Equipment Safety glasses are recommended to prevent eye contact. Chemical resistant gloves and a lab coat should be worn to prevent skin contact.

Section 9: Physical and Chemical Properties

<u>Characteristics</u>	N/A
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Section 10: Stability and Reactivity

Stability This material is stable until the expiration date on the bottle if stored as directed on product specific information.
Incompatibilities Unknown. Handle with care.

Section 11: Toxicological InformationRoute of Exposure

- Skin Contact May cause skin irritation.
- Skin Absorption May be harmful if absorbed through the skin.
- Eye Contact May cause eye irritation.
- Inhalation May be harmful if inhaled. May be irritating to respiratory tract.
- Ingestion May be harmful if swallowed.

Symptoms of Exposure To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12: Ecological Information

No data is available.

Section 13: Disposal Considerations

Dispose of waste materials, unused components and contaminated packaging in compliance with country, state, district and local regulations. If unsure of the applicable requirements, contact the authorities for information.

Section 14: Transport InformationU.S. and Canadian Transportation; DOT

- Proper Shipping Name Chemical Kits
- UN Identification Number 1789
- Class and Description 8, Miscellaneous
- Packing Group N/A
- Hazard Label Class 8

International Air Transportation (IATA)

- Proper Shipping Name Chemical Kits
- UN Identification Number 1789
- Class and Description 8, Miscellaneous
- Packing Group III
- Hazard Label Class 8

Section 15: Regulatory Information

Product related information

The product is not subject to classification according to the sources of literature known to us.

Observe general safety regulations when handling chemicals.

Safety Statements

Avoid release to the environment.

Risk Statements

Harmful if swallowed.

U.S. Regulatory Information

Sara Listed: No materials contained in this product are subject to SARA 313 Reporting.

Section 16: Other Information

Disclaimer: For Research Use Only. Not for diagnostic, therapeutic, or other uses.

Further Information: The information contained in this document is accurate to the best of our knowledge and is provided in good faith. This document is intended only as a guide to the appropriate precautionary handling of the materials contained in this kit by properly trained personnel using this kit. Final determination or suitability of any materials is the sole responsibility of the user. Arbor Assays shall not be held liable for any damage resulting from use or handling of this product.