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MATERIAL SAFETY DATA SHEET

EMERGENCY # FOR NATIONAL RESPONSE CENTER (800) 424-8802

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SECTION 1. CHEMICAL IDENTIFICATION Product Name: **Superoxide Dismutase**

Assay

Kit Part No: 5028

Components:

1. Part # 4014. 20X WST-1 Solution: 1 ml.
2. Part # 6010. Xanthine oxidase solution (XO): 15uL.
3. Part # 3029. Assay Buffer: 20 mL.
4. Part # 3030. Xanthine oxidase Dilution Buffer: 10mL.
(XO dilution Buffer)
5. Part# 6011. SOD Enzyme: 30uL. See vial for activity.
6. Part# 9001. 96 well ELISA Plate: 1 plate
7. Part# 9002. Adhesive Plate Cover: 2.

CAS REGISTRY NUMBER:

OSHA PEL: Not available

ACGIH TLV: Not available

SECTION III. PHYSICAL/CHEMICAL CHARACTERISTICS

MELTING POINT: Not applicable

BOILING POINT: Not applicable

SPECIFIC GRAVITY (WATER=1): Not available

VAPOR PRESSURE: Not applicable

VAPOR DENSITY (AIR=1): Not applicable

EVAPORATION RATE (BUTYL ACETATE=1): Not applicable

SOLUBILITY IN WATER: Soluble

APPEARANCE AND ODOR: Red solution

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): Not available

FLAMMABLE LIMITS: Not available

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical powder, foam and water.

SPECIAL FIRE FIGHTING PROCEDURES:

Wear protective clothing, respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Fire may produce irritating or poisonous gases.

SECTION V. REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Heat, sunlight and high temperature.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: When decomposed, it may emit toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxide and sulfur oxides.

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