

# Safety Data Sheet

# SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Catalog Number:STA-340Product Name:OxiSelect™ Superoxide Dismutase Activity AssayRecommended Use:Laboratory Research Reagents

MANUFACTURER:

EMERGENCY CONTACT:

Cell Biolabs, Inc. 7758 Arjons Drive San Diego, CA 92126

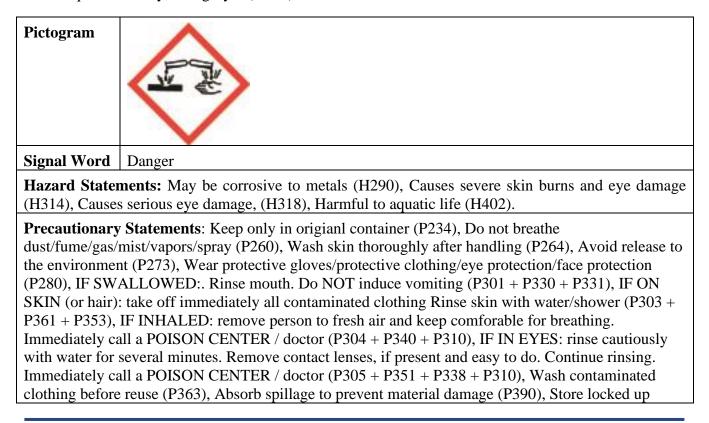
+1 858 271 6500 info@cellbiolabs.com

#### SECTION 2. HAZARDS IDENTIFICATION

Xanthine Solution (Part No. 234002): One 550 µL vial.

#### **Classification:**

Corrosive to metals, Category 1 (H290) Skin corrosion, Category 1A (H314) Serious eye damage, Category 1 (H318) Acute aquatic toxicity, Category 3 (H402)





(P405), Store in corrosive resistant stainless steel container with a resistant inner liner (P406), Dispose of contents/container to an approved waste disposal plant (P501).

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Xanthine Solution (Part No. 234002): One 550 µL vial.

CHEMICAL NAME	CONCENTRATION	CAS #
Sodium Hydroxide	0.02 N	1310-73-2

#### **SECTION 4. FIRST-AID MEASURES**

- IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
- IN CASE OF SKIN CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. CALL A PHYSICIAN.
- IN CASE OF CONTACT WITH EYES, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING THE EYELIDS WITH FINGERS. CALL A PHYSICIAN.

#### **SECTION 5. FIRE-FIGHTING MEASURES**

- Suitable extinguishing media: Water spray, alcohol-resistant foam, dry chemical or CO2
- Special protective equipment: Self-contained breathing apparatus

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Evacuate area
- Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.
- Absorb with sand or vermiculite, sweep up, place in a bag and hold for waste disposal.
- Avoid raising dust.
- Ventilate area and wash spill site after material pickup is complete.

#### SECTION 7. SAFETY HANDLING AND STORAGE

- Should be handled by trained personnel observing good laboratory practices.
- Avoid breathing vapor.
- Avoid skin contact or swallowing.
- May cause allergic reaction in sensitized individuals.
- Store in properly labeled containers at temperature on label

#### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

• Engineering measures: Handle in accordance with good industrial hygiene and safety practices. Wash hands immediately after handling the product.



• Personal protective equipment: Face shield or safety glasses, gloves, protective clothing, suitable respiratory equipment in cases of inadequate ventilation.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Form: liquid
- Odor: no data available
- pH: no data available
- Boiling point / range: no data available
- Melting point / range: no data available
- Flash point: no data available
- Evaporation rate: no data available
- Vapor pressure: no data available
- Vapor density: no data available
- Relative density: no data available
- Water solubility: no data available
- Autoignition temperature: no data available
- Decomposition temperature: no data available
- Viscosity: no data available
- Explosive properties: no data available
- Oxidizing properties: no data available

## SECTION 10. STABILITY AND REACTIVITY

- Stability: no data available
- Reactivity: no data available
- Conditions to avoid: no data available
- Incompatible materials: no data available
- Decomposition products: no data available

# SECTION 11. TOXICOLOGICAL INFORMATION

- Acute toxicity
  - NaOH: no data available
- Skin corrosion/irritation
  - NaOH: no data available
- Serious eye damage/irritation
  - NaOH: no data available
  - Respiratory or skin sensitization
    - NaOH: no data available
- Germ cell mutagenicity: no data available
- Carcinogenicity: no data available
- Reproductive toxicity: no data available

# SECTION 12. ECOLOGICAL INFORMATION

• Ecotoxicity

•



- NaOH: no data available
- Mobility

.

- NaOH: no data available
- Biodegradation
  - NaOH: no data available
  - Bioaccumulation
    - NaOH: no data available

#### SECTION 13. DISPOSAL CONSIDERATIONS

For small quantities: Cautiously add to a large stirred excess of water. Adjust the pH to neutral. Flush the aqueous solutions down the drain with plenty of water.

#### SECTION 14. TRANSPORT INFORMATION - IATA

• Hazard Class: Not Hazardous

#### SECTION 15. REGULATORY INFORMATION

- Safety, health and environmental regulations/legislation specific for the substance or mixture: no data available
- Chemical safety assessment: no data available

#### **SECTION 16. OTHER INFORMATION**

The above information is believed to be correct but does not purport to be all inclusive and should be used only as a guide for experienced personnel. Cell Biolabs, Inc. shall not be held liable for any damage resulting from the handling or from contact with the above product(s).

Revised 08/25/2023