

Material Safety Data Sheet - Membrane Potential Measurement Kits

Product Names: HTS-memPotential (Cat. No. mpHTS-1); Membrane Potential Fluorescence Assay Kit (Cat. No. MPF-Kit); Membrane Potential Fluorescent Dyes and Supplements (Cat. No. Disbac 1-4)

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For research use only. Not a drug or for household uses. Not for diagnostics.

Safety Considerations. Hazardous by ingestion, inhalation, skin or eye contact. Wear gloves, eye protection and lab coat during use. Avoid all contact.

Storage and Handling:

On receipt of the system, store in the original packaging at room temperature for 2 years. After reconstitution in DMSO or assay buffer, the Loading Dye is stable for up to twelve hours at room temperature. Aliquots can be frozen and stored for up to 30 days without the loss of activity. Keep away from light.

Safety Precautions: Irritant. Avoid ingestion, inhalation, eye and skin contact.

Contents:

Components:

- Proprietary Fluorescent Dyes
- Dimethyl Sulfoxide (DMSO) CAS Number 67-68-5

Hazard Identification Fluorescent Dyes

HMIS Rating

Health: 1

Flammability: 0

Reactivity: 0

NFPA Rating

Health: 0

Flammability: 0

Reactivity: 0

Transportation Information

Non-hazardous for transport

United States Regulatory Information:

SARA Listed: No

Transport Information:

DOT:

Non hazardous for transport

IATA:

Non hazardous for air transport

Hazard Identification DMSO

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 2

Reactivity: 0

Personal Protection: F

National Fire Protection Association (U.S.A.):

Health: 2

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Flammability: 2

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves (impervious). Synthetic apron. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

DOT: Not hazardous for transportation

Precautions DMSO:

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage DMSO:

Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Hygroscopic. Sensitive to light. Store in light-resistant containers.

Federal and State Regulations: TSCA 8(b) inventory: Dimethyl sulfoxide

Other Regulations:

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances. National Inventory Lists of China, Japan, Korea, and Philippines.

Other Classifications:

WHMIS (Canada):

CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).

DSCL (EEC):

R36/37/38- Irritating to eyes, respiratory system and skin. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.

Disclaimer:

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