Material Safety Data Sheet – Mito Flow

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

CHEMICAL IDENTIFICATION:

Product Name: Mito Flow – Mitochondria Membrane Potential Detection using Flow Cytometry

Catalog # Flo200-2 and Flo200-3

Components:
Part# 4004: Mitochondria Membrane Potential Dye (Mito Flow Reagent)
Part# 3004: 10X Dilution Buffer

Part# 3004

Section 1 - Chemical Identification
Synonyms: None
CAS #: Not applicable to mixtures
Chemical Formula: Not applicable to mixtures

Section 2 - Hazards Identification
Contains phosphate buffered saline (PBS). Irritant to eyes, skin and respiratory system. Dilute solutions are less irritating.

Section 3 - Characteristics
10X Dilution Buffer is a clear liquid; however some salts may precipitate and form clear crystals at low temperatures.
Boiling point °f: No data available.
Vapor pressure (mm Hg): No data available.
Vapor density: No data available.
Solubility in water: Soluble at room temperature.
Specific gravity: Not applicable.
% Volatile by volume: Not applicable.
Evaporation rate: No data available.
pH: 6.9

Section 4 - Storage, Handling, Stability
10X Dilution Buffer is stable for 18 months when stored at 2°C - 8°C. When diluted to 1X, store at 2°C - 8°C for 7 days. It will not decompose in a hazardous manner. Hazardous polymerization will not occur.

Section 5 - Safety Control Measures
Gloves and standard laboratory protective clothing and eyewear are recommended. Safe laboratory practices should be followed.

Section 6 - Health Hazard Data
May enter the body through ingestion, eye, and skin contact.

Section 7 - First Aid Measures
Remove contaminated clothing and shoes, and wash before reuse.
Skin: Wash skin thoroughly with soap and water.
Eyes: Flush with water for at least 15 minutes.
Ingestion: If conscious, give large amounts of water. Induce vomiting.
Seek medical attention.
Inhalation: Remove to fresh air. If not breathing, administer CPR. If breathing is difficult, give oxygen.

Section 8 - Fire/Explosion Hazard Data
10X Dilution Buffer is not flammable. It is neither a fire hazard nor an explosion hazard. Use any means suitable for extinguishing surrounding fire. It is not necessary to use any special firefighting procedures. Water spray, carbon dioxide, dry chemical powder or appropriate foam can all be used.

Section 9 - Accidental Release Measures
For release of large amounts of material wear safety glasses and rubber gloves. Stop source of leak and isolate spill area. Collect liquid and flush down the drain with copious amounts of water, or absorb with dry material (such as paper towels) and place in a regular waste container. Dispose of all waste in accordance with all national, state, and local regulations.

Part# 4004

Section 1 - Chemical Identification
Mitochondrial Membrane Potential Cationic Dye.
Cas No. N/A

Section 2 - Hazards Identification
Irritant to eyes, skin, and respiratory system. Dilute solutions are less irritating.

Section 3 - Characteristics
Boiling point °f: No data available.
Vapor pressure (mm Hg): No data available.
Vapor density: No data available.
Solubility in water: Very low.
Specific gravity: Not applicable.
% Volatile by volume: Not applicable.
Evaporation rate: No data available.
pH: Not applicable to a powder.

Section 4 - Storage, Handling, Stability
Reagent is stable for 18 months when stored at 2°C - 8°C and protected from light. When reconstituted store at -20°C for 6 months protected from light. It will not decompose in a hazardous manner. Hazardous polymerization will not occur.

Section 5 - Safety Control Measures
Gloves and standard laboratory protective clothing and eyewear are recommended. Safe laboratory practices should be followed.

Section 6 - Health Hazard Data
May enter the body through inhalation, ingestion, eye, and skin contact.

Section 7 - First Aid Measures
Avoid prolonged exposure. Remove contaminated clothing and shoes, and wash before reuse.
Skin: Wash skin thoroughly with soap and water.
Eyes: Flush with water for at least 15 minutes.
Ingestion: If conscious, give large amounts of water. Seek medical attention.
Inhalation: Remove to fresh air. If not breathing, administer CPR. If breathing is difficult, give oxygen.

Section 8 - Fire/Explosion Hazard Data
The reagent is neither a fire hazard nor an explosion hazard. Use any means suitable for extinguishing surrounding fire. It is not necessary to use any special firefighting procedures. Water spray, carbon dioxide, dry chemical powder or appropriate foam can all be used.

Section 9 - Accidental Release Measures
For release of large amounts of material, wear safety glasses and rubber gloves. Stop source of leak and isolate spill area. Collect material in an appropriate container and dispose with regular trash. Wash exposed surfaces with acetone or alcohol and rinse with copious amounts of soap and water. Dispose of all waste in accordance with all national, state, and local regulations.

Disclaimer
For R&D use only. Not for drug, household or other uses.

WARRANTY
THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT IS NOT NECESSARILY ALL-INCLUSIVE AND SHOULD BE USED ONLY AS A GUIDE. CELL TECHNOLOGY INC SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. INDIVIDUALS RECEIVING THE INFORMATION MUST EXERCISE THEIR INDEPENDENT JUDGMENT IN DETERMINING ITS APPROPRIATENESS FOR A PARTICULAR PURPOSE.

For Research Use Only, not for diagnostic or other purposes.