

## Material Safety Data Sheet – MitoCasp™

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

**CHEMICAL IDENTIFICATION:****Product Name:** MitoCasp™**Catalog #** MITCAP100-1 and 100-2, MITCAP200-1 and 200-2, MITCAP300-1 and 300-2, MITCAP400-1 and 400-2, MITCAP600-1 and 600-2**Components:**

Part# 4015: Mitochondria Membrane Potential Dye (Cationic Dye)

Part# 3032: 1X Dilution Buffer

Part# 8001: FAM-VAD-FMK (Poly Caspase)

Part# 3026: 10 X Wash Buffer

**Section 1 - Composition/Information on Ingredient****Part# 4015**

Substance Name : Mitochondria Membrane Potential Dye

Cas No. N/A

**Part# 8001**

FAM-VAD-FMK: 6-Carboxyfluorescein-Val-Ala-Asp-Fluoromethyl Ketone

CAS# N/A

Formula: C<sub>35</sub> H<sub>34</sub> FN<sub>3</sub> O<sub>11</sub>**Part# 3032**

1X Dilution Buffer: N/A

CAS# N/A

Formula: N/A

**Part# 3026**

10X Wash Buffer: N/A

CAS# N/A

Formula: N/A

**Section 2 - Hazards Identification****EMERGENCY OVERVIEW**

Harmful by inhalation and if swallowed. Irritating to eyes and skin.

**HMIS RATING**

HEALTH: 1

For additional information on toxicity, please refer to Section 11.

### **Section 3 - First Aid Measures**

#### **ORAL EXPOSURE**

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

#### **INHALATION EXPOSURE**

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

#### **DERMAL EXPOSURE**

In case of contact, immediately wash skin with soap and copious amounts of water.

#### **EYE EXPOSURE**

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**

#### **FLASH POINT**

N/A

#### **AUTOIGNITION TEMP**

N/A

#### **FLAMMABILITY**

N/A

#### **EXTINGUISHING MEDIA**

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

#### **FIREFIGHTING**

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific Hazard(s): Emits toxic fumes under fire conditions.

### **Section 6 - Accidental Release Measures**

#### **PROCEDURE(S) OF PERSONAL PRECAUTION(S)**

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

#### **METHODS FOR CLEANING UP**

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 - Handling and Storage**

#### **HANDLING**

User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

#### **STORAGE**

Suitable: Keep tightly closed.

Store at -20°C

### **Section 8 - Exposure Controls / PPE**

#### **ENGINEERING CONTROLS**

Safety shower and eye bath. Mechanical exhaust required.

#### **PERSONAL PROTECTIVE EQUIPMENT**

Respiratory: Wear dust mask.

Hand: Protective gloves.

Eye: Chemical safety goggles.

#### **GENERAL HYGIENE MEASURES**

Wash thoroughly after handling.

**Section 9 - Physical/Chemical Properties**

Appearance Physical State: Solid

**Section 10 - Stability and Reactivity**

**STABILITY**

Stable: Stable.

Materials to Avoid: Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Hazardous Decomposition Products: Nitrogen oxides Carbon monoxide, Carbon dioxide.

**HAZARDOUS POLYMERIZATION**

Hazardous Polymerization: Will not occur

**Section 11 - Toxicological Information**

**ROUTE 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: Material may be irritating to mucous membranes and upper respiratory tract.

May be harmful if inhaled or swallowed.

Ingestion: May be harmful if swallowed.

**SIGNS AND 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 available.

**Section 13 - Disposal Considerations**

**APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION**

Contact a licensed professional waste disposal service to dispose of this material.

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

**Section 14 - Transport Information**

**DOT**

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

**IATA**

Non-Hazardous for Air Transport: Non-hazardous for air transport.

**Disclaimer**

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

**WARRANTY**

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