

## Material Safety Data Sheet - aCella™ - ACHE

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

### CHEMICAL IDENTIFICATION:

**Product Name:** aCella – AchE – Assay for Monitoring AChE activity

**Catalog #** CLACHE 100-2, CLACHE 100-3, and CLACHE 100-4

**Components:**

Part # 3023: Acetylcholinesterase

Part # 3024: Detection reagent, acetylcholine and coupled enzyme reaction.

Part # 3025: Control to measure maximum Luminescence

### Section 1 - Hazards Identification

#### EMERGENCY OVERVIEW

Irritant.

Irritating to eyes, respiratory system and skin.

Target organ(s): Central nervous system. G.I. System.

#### HMIS RATING

HEALTH: 2

FLAMMABILITY: 0

REACTIVITY: 0

#### NFPA RATING

HEALTH: 2

FLAMMABILITY: 0

REACTIVITY: 0

### Section 2 - 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 not breathing give artificial respiration. If breathing is difficult, give oxygen.

#### DERMAL EXPOSURE

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

#### EYE EXPOSURE

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

### Section 3 - 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 4 - Accidental Release Measures**

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves. 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 5 - Handling and Storage**

HANDLING

User Exposure: Do not breathe dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE

As stated in protocol sheet.

#### **Section 6 - Stability and Reactivity**

STABILITY

Stable: Stable.

Materials to Avoid: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Nature of decomposition products not known. But may produce Carbon monoxide, Carbon dioxide, Nitrogen oxides.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

#### **Section 7 - Toxicological Information**

ROUTE OF EXPOSURE

Skin Contact: Causes skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: Causes eye irritation.

Inhalation: Material is irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

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 8 - 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 9 - Transport Information**

DOT

Proper Shipping Name: None

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

#### **DISCLAIMER**

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

#### **WARRANTY**

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