



SAFETY DATA SHEET

Section 1: Identification

Product Identifier: Acetylcholinesterase Assay Kit (#BA0009)

Relevant Identified Uses of Substance or Mixture and Uses Advised Against:

Recommended Use: For Research Use Only

Uses Advised against: No information

Company:

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Section 2: Hazard(s) Identification

GHS Classification

Acute Toxicity: Oral, Category 3

Acute Toxicity: Skin, Category 3

Skin Corrosion/Irritation, Category 2

Serious Eye Damage/Eye Irritation, Category 1

Target Organ Systemic Toxicity (single exposure), Category 3

GHS Label elements, including precautionary statements



Pictogram:

Signal word: Danger

Hazard statements

H301: Toxic if swallowed.

H311: Toxic in contact with skin.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H335: May cause respiratory irritation

Precautionary statements

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/clothing and eye/face protection.

P362+364: Take off contaminated clothing and wash it before reuse.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

Section 3: Composition/ Information on Ingredients

Component Name	CAS Number
Assay Buffer: 30 mL liquid — Non-hazardous.	
Substrate: 240 mg powder — Contains 1-10% acetylthiocholine iodide.	CAS #: 1866-15-5
Calibrator: 4 mL liquid — Non-hazardous.	

Section 4: First-Aid Measures

Eye: Eye irritation. Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get immediate medical attention.

Skin: Itching or burning of the skin. Immediately flush the skin with plenty of water while removing contaminated clothing and shoes. Get immediate medical attention. Wash contaminated clothing before reuse.

Inhalation: Nasal irritation, headache, dizziness, nausea, vomiting, heart palpitations, breathing difficulty, cyanosis, tremors, weakness, red flushing of face, irritability. Remove exposed person from source of exposure to fresh air. If not breathing, clear airway and start cardiopulmonary resuscitation (CPR). Avoid mouth-to-mouth resuscitation.

Ingestion: Get immediate medical attention. Do not induce vomiting unless directed by medical personnel.

Section 5: Fire-Fighting Measures

Extinguishing media: water spray, carbon dioxide, dry chemical powder or appropriate foam.

Special firefighting procedures: wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual fire and explosion hazards: emits toxic fumes under fire conditions.

Section 6: Accidental Release Measures

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas. Vapor protective clothing should be worn for spills and leaks. Shut off ignition sources; no flares, smoking or flames in hazard area. Small spills: Take up with sand or other noncombustible absorbent material and place into containers for later disposal. Large spills: Dike far ahead of liquid spill for later disposal. Do not flush to sewer or waterways. Prevent release to the environment if possible.

Section 7: Handling and Storage

Keep receptacles tightly sealed. Store product at room temperature.

Section 8: Exposure Controls/Personal Protection

Follow standard laboratory safety procedures, including wearing chemical safety goggles, face shield, gloves,

NIOSH approved respiratory protection and protective clothing. Wash and dry hands.

Section 9: Physical and Chemical Properties

Refer to Section 3. Composition/Information on Ingredients.

Section 10: Stability and Reactivity

Thermal Decomposition: no decomposition if used according to specifications.

Dangerous Products of Decomposition: nitrogen and sulfur oxides.

Dangerous Reactions: none.

Section 11: Toxicological Information

The toxicological effects of this product have not been thoroughly studied. We recommend handling all chemicals with caution.

Acetylthiocholine iodide - Toxicity Data: Oral LD50 (rat): 100 mg/kg; Skin LD50 (guinea pig): 500 mg/kg;

Section 12: Ecological Information

Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

Section 13: Disposal Considerations

Dispose in accordance with local, state or national regulations.

Section 14: Transport Information

DOT (US) - UN Number: Not regulated; Class: Not regulated; Packaging Group: Not regulated.

Additional Transport Information: transport in accordance with local, state and national regulations.

Section 15: Regulatory Information

OSHA Hazards: Toxic by ingestion/skin absorption, irritant.

SARA 311/312 Hazards: Acute Health Hazard

Section 16: Other Information

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This company shall not be held liable for any damage resulting from handling or from contact with the above product. This material must only be handled by suitably qualified experienced scientists in appropriately equipped and authorized facilities. The above information is believed to be correct but does not purport to be all inclusive and should be used as a guide only for experienced personnel. Always consult your safety advisor and follow appropriate local and

national safety legislation. The absence of warning must not, under any circumstance, be taken to mean that no hazard exists.

Last reviewed: 07/2026

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End Of MSDS