

Safety Data Sheet

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Catalog Number: MET-5071
 Product Name: Taurine Assay Kit
 Recommended Use: Laboratory Research Reagents

MANUFACTURER:

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SECTION 2. HAZARDS IDENTIFICATION

Quenching Solution (Part No. 70718A): One 5 mL bottle.

Classification:

Eye Damage Category 1
 Skin Irritation Category 2
 Skin Sensitization Category 1
 Carcinogenicity Category 1A
 Specific Target Organ Toxicity – Single
 Exposure Category 1

Pictogram	
Signal Word	Warning
<p>Hazard Statements: Causes skin irritation (H315). May cause an allergic skin reaction (H317). Causes serious eye damage (H318). May cause cancer (H350). Causes damage to nervous system and eyes (H370).</p>	
<p>Precautionary Statements: Obtain special instructions before use (P201), do not handle until all safety precautions have been read and understood (P202), do not breath fumes/mist/vapors/spray (P260), wash thoroughly after handling (P264), do not eat, drink, or smoke when using this product (P270), contaminated work clothing should not be allowed out of the workplace (P272), wear protective gloves/protective clothing/eye protection/face protection (P280,) IF IN EYES: Rinse</p>	

cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305 + P351 + P338), immediately call a POISON CENTER or doctor/physician (P310), IF ON SKIN: Wash with plenty of soap and water (P302 + P352), if skin irritation or rash occurs: Get medical advice/attention (P333 + P313).

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Quenching Solution (Part No. 70718A): One 5 mL bottle.

CHEMICAL NAME	CONCENTRATION	CAS #
Formaldehyde	<1%	50-00-0
Methanol	<0.5%	67-56-1

SECTION 4. FIRST-AID MEASURES

- EYES: CHECK FOR AND REMOVE ANY CONTACT LENSES. IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING THE UPPER AND LOWER EYELIDS. GET MEDICAL ATTENTION IMMEDIATELY.
- SKIN: REMOVE CONTAMINATED CLOTHING IMMEDIATELY. WASH THE AFFECTED AREAS WITH SOAP OR MILD DETERGENT AND LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.
- INGESTION: NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION IMMEDIATELY.
- INHALATION: MOVE INDIVIDUAL TO FRESH AIR IMMEDIATELY. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF BREATHING HAS STOPPED, ADMINISTER ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION.
- SECTION 4 NOTES: IMMEDIATE MEDICAL TREATMENT IS REQUIRED FOR EYE CONTACT AND INGESTION

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media: Water spray, alcohol-resistant foam, dry chemical or CO₂
- Special protective equipment: Self-contained breathing apparatus

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Evacuate area
- Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.

- Absorb with sand or vermiculite, 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. SAFETY HANDLING AND STORAGE

- Should be handled by trained personnel observing good laboratory practices.
- Avoid breathing vapor.
- Avoid skin contact or swallowing.
- May cause allergic reaction in sensitized individuals.
- Store in properly labeled containers at temperature on label

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering measures: Handle in accordance with good industrial hygiene and safety practices. Wash hands immediately after handling the product.
- Personal protective equipment: Face shield or safety glasses, gloves, protective clothing, suitable respiratory equipment in cases of inadequate ventilation.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Form: liquid
- Odor: no data available
- pH: no data available
- Boiling point / range: no data available
- Melting point / range: no data available
- Flash point: no data available
- Evaporation rate: no data available
- Vapor pressure: no data available
- Vapor density: no data available
- Relative density: no data available
- Water solubility: no data available
- Autoignition temperature: no data available
- Decomposition temperature: no data available
- Viscosity: no data available
- Explosive properties: no data available
- Oxidizing properties: no data available

SECTION 10. STABILITY AND REACTIVITY

- Stability: no data available
- Reactivity: no data available
- Conditions to avoid: no data available
- Incompatible materials: no data available
- Decomposition products: no data available

SECTION 11. TOXICOLOGICAL INFORMATION

- Acute Toxicity
 - Acute Oral LD50
 - Formaldehyde 100 mg/kg Rat
 - Methanol 2628 mg/kg Rat
 - Acute Dermal LD50
 - Formaldehyde 270 mg/kg Rabbit
 - Methanol 15800 mg/kg Rabbit
 - Acute Inhalation LC50
 - Formaldehyde 203 mg/kg Rat
 - Methanol 64000 mg/kg Rat

SECTION 12. ECOLOGICAL INFORMATION

- Ecotoxicity:
 - Formaldehyde: LC50 Pimephales promelas (Fathead minnow) 24.1 mg/L/96 hr
 - Methanol: LC50 fathead minnows 29,400 mg/L/96hr; EC50 daphnia magna >10,000 mg/L/24 hr
- Mobility: no data available
- Biodegradation: no data available
- Bioaccumulation: no data available

SECTION 13. DISPOSAL CONSIDERATIONS

For small quantities: Cautiously add to a large stirred excess of water. Adjust the pH to neutral. Flush the aqueous solutions down the drain with plenty of water.

SECTION 14. TRANSPORT INFORMATION - IATA

- Hazard Class: Not Hazardous

SECTION 15. REGULATORY INFORMATION

- Safety, health and environmental regulations/legislation specific for the substance or mixture: no data available
- Chemical safety assessment: no data available

SECTION 16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and should be used only as a guide for experienced personnel. Cell Biolabs, Inc. shall not be held liable for any damage resulting from the handling or from contact with the above product(s).

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