

Safety Data Sheet

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

Catalog Number: MET-5180
Product Name: Urea Assay Kit (Fluorometric)
Recommended Use: Laboratory Research Reagents

MANUFACTURER:

Cell Biolabs, Inc.
7758 Arjons Drive
San Diego, CA 92126

EMERGENCY CONTACT:


+1 858 271 6500
info@cellbiolabs.com

SECTION 2. HAZARDS IDENTIFICATION

Ammonia Reagent (Part No. 238202): One 20 mL amber bottle.

Classification:


Acute toxicity, Category 3 (H301)
Eye irritation, Category 2A (H319)

Pictogram	
Signal Word	Danger
Hazard Statements: Toxic if swallowed (H301), Causes serious eye irritation (H319).	
Precautionary Statements: Wash skin thoroughly after handling (P264), Do not eat, drink, or smoke when using this product (P270), Wear protective gloves/protective clothing/eye protection/face protection (P280), IF SWALLOWED: Immediately call a POISON CENTER / doctor. Rinse mouth (P301 + P310 + P330), IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305 + P351 + P338), If eye irritation persists: get medical advice/attention (P337 + P313), Store locked up (P405), Dispose of contents/container to an approved waste disposal plant (P501).	

Fluorometric Reagent (Part No. 51801B): Two 20 mL amber bottles.

Classification:

Acute toxicity, Category 3 (H301)
Eye irritation, Category 2A (H319)

Pictogram	
Signal Word	Danger
<p>Hazard Statements: Toxic if swallowed (H301). Causes severe skin burns and eye damage (H314). May cause an allergic skin reaction (H317). May cause respiratory irritation (H335). Very toxic to aquatic life with long lasting effects (H410).</p>	
<p>Precautionary Statements: Wash thoroughly after handling (P264). Avoid release to the environment (P273). Wear protective gloves/protective clothing/eye protection/face protection (P280). IF SWALLOWED (P301): Immediately call a POISON CENTER or doctor/physician (P310). IF ON SKIN (or hair) (P303): Remove/Take off immediately all contaminated clothing (P361). Rinse skin with water/shower (P353). IF INHALED (P304): Remove casualty to fresh air and keep at rest in a position comfortable for breathing (P340). IF IN EYES (P305): Rinse cautiously with water for several minutes (P351). Remove contact lenses, if present and easy to do. Continue rinsing (P338).</p>	

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ammonia Reagent (Part No. 238202): One 20 mL amber bottle.

CHEMICAL NAME	CONCENTRATION	CAS #
Sodium Salicylate	40 mM	54-21-7
Sodium Nitroprusside Dihydrate	4 mM	13755-38-9
Ethylenediamine Tetraacetic Acid	2 mM	60-00-4

Fluorometric Reagent (Part No. 51801B): One 40 mL amber bottle.

CHEMICAL NAME	CONCENTRATION	CAS #
Proprietary Reagent	< 0.5%	n/a

SECTION 4. FIRST-AID MEASURES

- IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

- IN CASE OF SKIN CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. CALL A PHYSICIAN.
- 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

- 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: no data available
- Skin corrosion/irritation: no data available
- Serious eye damage/irritation: no data available
- Respiratory or skin sensitization: no data available
- Germ cell mutagenicity: no data available
- Carcinogenicity: no data available
- Reproductive toxicity: no data available
-

SECTION 12. ECOLOGICAL INFORMATION

- Ecotoxicity: no data available
- 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

Ammonia Reagent

- Hazard Class: 6.1
- Subsidiary Class: none
- Packing Group: III
- UN-No: UN3288

Fluorometric Reagent

- Hazard Class: 8
- Subsidiary Class: 6.1
- Packing Group: II



- UN-No: UN2922

NOTE: THIS PRODUCT IS SHIPPED AS "DANGEROUS GOODS IN EXCEPTED QUANTITIES" UNDER IATA REGULATION 2.6.2.2.

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).

Revised 12/11/2023