

Material Safety Data Sheet

SECTION 1 – IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY

Product Name: Glocount LS Ethidium Bromide Liquid Solution
Product Number: 806021
Manufacturer/Supplier: Advanced Instruments, Inc.
Two Technology Way
Norwood, MA 02062
1-781-320-9000

Origin: USA

Date of Issue: 2011-05-02
Chemical Identification: Homidium Bromide (C₂₁H₂₀N₃Br)
Intended Use: Liquid Glocount is used with milk counting instrumentation for the enumeration of somatic cells in milk samples.
Emergency Contact: RMPDC
(303) 739-1110
(877) 740-5015 (toll free)

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Component:
Homidium bromide
CAS #:
1239-45-8
Synonyms:
3,8-diamino-5-ethyl-6-phenylphenanthridinium bromide, Ethidium bromide
Percent:
<5%

SECTION 3 – HAZARDS IDENTIFICATION

Health

Routes of Entry:

Inhalation, ingestions, or skin contact.

Health Hazards:

May cause heritable genetic damage. Irritating to eyes, respiratory system, and skin.

Carcinogenicity:

Not available.

Symptoms of Exposure:

Not available.

Medical Conditions Aggravated by Exposure:

None indicated.

SECTION 4 – FIRST AID MEASURES

Emergency and First Aid Procedures:

Seek medical assistance.

Eyes:

Immediately flush thoroughly with water for at least 15 minutes. Obtain medical attention.

Skin:

Wash skin with soap and water.

Inhalation:

Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Obtain urgent medical attention.

Ingestion:

Wash out mouth thoroughly with water and afterwards drink plenty of water. Obtain medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point (°F):

Not Available

Flammable Limits:

LEL: Not Available

UEL: Not Available

Extinguishing Media:

Water, foam, carbon dioxide, and dry chemical powder are suitable extinguishing agents.

Fire Fighting Procedures:

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

Fire and Explosion Hazards:

Emits toxic fumes under fire conditions.

SECTION 6 – ACCIDENTAL RELEASE MEASURES**Spill Response:**

Evacuate the area of all unnecessary personnel. Wear suitable protective equipment listed under Section 8, Exposure Controls/Personal Protection. Contain the release and eliminate its source, if it can be done without risk. Clean up and place in closed container for proper disposal as described under, Section 13, Disposal Considerations. Comply with local, state, and country regulations on reporting releases. Refer to Section 15, Regulatory Information, for regulatory data.

SECTION 7 – HANDLING AND STORAGE

Keep container tightly closed. Store in ventilated cool, dry area. Protect against physical damage. Isolate from any source of heat or ignition and oxidizing agents. Isolate from food drink and animal feedstuff. Avoid storage on wood floors. Containers of this material may be hazardous when empty since they retain product residues (dust, solids). Do not get in eyes, on skin, or on clothing.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**Ventilation, Respiratory Protection, Protective Clothing, Eye Protection:**

Material should be handled or transferred in an approved fume hood or in a well ventilated area. Approved respiratory protection, protective gloves (Neoprene or equivalent), chemical safety goggles, and lab coat must be worn. It is advisable to wash hands before removing gloves from the hands.

Work/Hygienic Practices:

Wash hands thoroughly after handling. Do not take internally. Eyewash and safety equipment should be readily available.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**Appearance:**

Dark Red

Physical State:

Liquid

Boiling Point:

Not Available

Specific Gravity:

Not Available

Melting Point:

Not Available

Evaporation Rate:

Not Available

Vapor Pressure (mm Hg):

Not Available

Vapor Density (AIR = 1):

Not Available

Volatility:

Not Available

Solubility in Water (%):

Not Available

SECTION 10 – STABILITY AND REACTIVITY**Stability:**

This material is stable in closed containers at room temperature.

Conditions to Avoid:

Heat, flame, sources of ignition.

Materials to Avoid:

Strong oxidizing materials.

Hazardous Decomposition:

Toxic fumes of Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides, and Hydrogen Bromide Gas.

Hazardous Polymerization:

Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Symptoms of Exposure:

Irritating to mucous membranes and upper respiratory tract. Causes eye and skin irritation. May alter genetic material.

Medical Conditions Aggravated by Exposure:

Not available.

Routes of Entry:

Inhalation, Ingestion, or skin absorption.

Carcinogenicity:

Not available.

Toxicity Data:

Not available.

Toxicological Findings:

Have not been thoroughly investigated.

SECTION 12 – ECOLOGICAL INFORMATION

Not available.

SECTION 13 – DISPOSAL CONSIDERATIONS

EPA Waste Numbers:

Not Available

Treatment:

Specified Technology – Contact your local permitted waste disposal site (TSD) for permissible treatment sites.

ALWAYS CONTACT A PERMITTED WASTE DISPOSAL SITE (TSD) TO ASSURE COMPLIANCE WITH ALL CURRENT LOCAL, STATE, AND COUNTRY REGULATIONS.

SECTION 14 – TRANSPORT INFORMATION

DOT ID Number:

UN2810

DOT Proper Shipping Name:

Toxic Liquid, Organic, N.O.S. (Contains Ethidium Bromide).

Class:

6.1

PG:

III

SECTION 15 – REGULATORY INFORMATION

European Information:

Toxic:

R: 23/24/25

Toxic by inhalation, in contact with skin, and if swallowed:

R: 68

Possible risk of irreversible effects:

R: 36/37/38

Irritation to eyes, respiratory system, and skin:

S: 36/37/39

Wear suitable protective clothing, gloves, and eye/face protection.

SECTION 16 – OTHER INFORMATION

NFPA Hazard Ratings:

Health: 3

Flammability: 0

Reactivity: 1

Special Hazards: Oxidizer

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