Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product Information

Commercial Product:	Leeporter™ Luciferase Assay Reagent
Name:	17-1101 (1000 tests)
Intended Use:	Biochemical Reagent
Company:	Abeomics 9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121 USA
Telephone:	1-858-263-4982
Email:	info@abeomics.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Kit Components

Substrate (100X), lyophilized
No known OSHA hazards

Assay Buffer
Target Organ Effect

Substrate Reconstitution Solution
Slightly hazardous in case of skin contact, eye contact, or inhalation (irritant)

3. HAZARDS IDENTIFICATION

OSHA Hazards: Target Organ Effect, Toxic by inhalation, Toxic by ingestion, Toxic by skin absorption, Irritant

Target Organs: Kidney, Eyes, Liver, Heart, Central nervous system

GHS Classification
Acute toxicity, Oral (Category 3)
Acute toxicity, Inhalation (Category 3)
Acute toxicity, Dermal (Category 3)
Skin irritation (Category 2)
Eye irritation (Category 2A)
Specific target organ toxicity – single exposure (Category 1)

Potential Acute Health Effects: Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant, permeator), eye contact (irritant), or inhalation.

Potential Chronic Health Effects: Slightly hazardous in case of skin contact (sensitizer). CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. The substance may be toxic to the central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organ damage.

4. FIRST AID MEASURES

Eye Contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes

Skin Contact: In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Ger medical attention.

Serious Skin Contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious inhalation: Not available.

Ingestion: DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt, or waistband.

Serious Ingestion: Not available.

5. FIRE AND EXPLOSION

Flammability of Product: May be combustible at high temperature.

Fire Hazards in Presence of Various Substances:Slightly flammable to flammable in presence of heat.

Explosion Hazards in Presence of Various Substances: Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions: SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog, or foam. Do not use water jet.

Special Remarks on Fire Hazards: When heated to decomposition, it emits acrid smoke and irritating fumes.

Special Remarks on Explosion Hazards: Not available.

6. ACCIDENTAL RELEASE MEASURES

Spill: Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the

contaminated surface and dispose according to local and regional authority requirements.

7. HANDLING AND STORAGE

Recommended storage temperature: -20°C
Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentration of vapors below their threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection: Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Refer to component SDS

10. STABILITY AND REACTIVITY

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials, excess heat, exposure to moist air or water.

Incompatibility with Various Substances: Reactive with oxidizing agents, reducing agents, acids, alkalis.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Hygroscopic; keep container tightly closed. Incompatible with chloroformates, strong acids (nitric acid, hydrofluoric acid), caustics, aliphatic amines, isocyanates, strong oxidizers, acid anhydrides, silver nitrate, reducing agents.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Routes of Entry: Absorbed through skin. Eye contact.

Chronic Effects on Humans: May cause damage to the following organs: central nervous system (CNS).

Other Toxic Effects on Humans: Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant, permeator) or inhalation.

Special Remarks on Toxicity of Animals: Not available.

Special Remarks on Chronic Effects on Humans: May affect genetic material (mutagenic). May cause adverse reproductive effects and birth defects (teratogenic) based on animal test data.

12. ECOLOGICAL INFORMATION

Refer to component SDS

13. DISPOSAL CONSIDERATIONS

Refer to component SDS

14. TRANSPORT INFORMATION

DOT (US)
UN number: 3316 Class: 9
Proper shipping name: Chemical kits
Marine pollutant: No
Poison Inhalation Hazard: No

IMDG
UN number: 3316 Class: 9
EMS0No: F-A, S-P
Proper shipping name: CHEMICAL KIT
Marine pollutant: No

IATA
UN number: 3316 Class: 9
Proper shipping name: Chemical kit

15. REGULATORY INFORMATION

OSHA Hazards: Target Organ Effect, Toxic by inhalation, Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 311/312 Hazards: Acute Health Hazard, Chronic Health Hazard

HMIS (USA)
Health Hazard: 2
Fire Hazard: 1
Reactivity: 0
Personal Protection: h

National Fire Protection Association (USA)
Health: 0

Flammability: 1
Reactivity: 0
Specific Hazard:

Protective Equipment: Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

16. OTHER INFORMATION

The information above is believed to be accurate as of the date hereof, but is provided without warranty of any kind, does not purport to be all inclusive, and shall be used only as a guide. The recipient of our product is responsible for ensuring that, where applicable, existing laws and guidelines are observed. The information is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Abeomics shall not be held liable for any damage resulting from handling or from contact with the above product.