

1. IDENTIFICATION

Product Identifier	
Product Name	Lyophilized Microorganisms
Other means of identification	
SDS #	GB-004 S
Product Code	URI-KIT
Synonyms	Diagnostic Specimens (Lyophilized microorganism preparations)
UN/ID No	UN3373
Recommended use of the chemical and restrictions on use	
Recommended Use	For laboratory use.
Details of the supplier of the safety data sheet	
Manufacturer Address	Gibson Bioscience 1040 Manchester Street Lexington, KY 40508

Emergency Telephone Number	
Company Phone Number	Phone: (800) 477-4763 Fax: (859) 253-1476
Emergency Telephone (24 hr)	INFOTRAC 1-352-323-3500 (International) 1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This material presents a biohazard and risk of infection.

Appearance According to product specification	
--	--

Physical State Dry material Pellet containing dry material, Liquid	
--	--

Odor Odorless	
----------------------	--

Classification	
Each lyophilized pellet contains a pure microorganism population. The microorganisms are classified as either Risk Group 1 or Risk Group 2 by the World Health Organization (WHO). These microorganisms may cause human infection, may pose a hazard to the laboratory personnel, but are unlikely to spread in the community. Exposure to these microorganisms in the laboratory rarely causes infection. Effective prevention and treatment is readily available.	

3. COMPOSITION/INFORMATION ON INGREDIENTS

--	--

Synonyms	Diagnostic Specimens (Lyophilized microorganism preparations)
-----------------	---

Chemical Nature	Each lyophilized pellet contains a pure microorganism population. The microorganisms are classified as either Risk Group 1 or Risk Group 2 by the World Health Organization (WHO)
------------------------	---

--	--

--	--

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

--	--

4. FIRST-AID MEASURES

First Aid Measures

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact	If skin contact occurs, immediately wash with an appropriate biocide solution.
Inhalation	Remove to fresh air. Seek medical advice.
Ingestion	Call a physician or poison control center immediately.

Most important symptoms and effects

Symptoms	Not determined.
-----------------	-----------------

Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
---------------------------	------------------------

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media	Not determined.
---------------------------------------	-----------------

Specific Hazards Arising from the Chemical
Not applicable.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Immediately notify nearby personnel of the incident.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Decontaminate the spill by flooding and soaking the spilled material with a suitable disinfectant. Allow sufficient time for the biocide activity of the disinfectant. Clean the area and material using disposable towels. Materials used in cleanup should be treated as biohazard material.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Ensure adequate microbiological equipment and facilities to receive, process, maintain, store, and dispose of biohazard material. Proper techniques must be employed to avoid exposure and contact with microorganism growth. The microbiology laboratory personnel using these devices must be trained, experienced, and demonstrate proficiency in processing, maintaining, storing, and disposing of biohazard material. It is recommended that all microbial cultures be handled by qualified microbiologists and to use appropriate safety procedures and precautions when handling these specimens. Caution should be used to prevent the generation of aerosols during the preparation of suspensions.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store devices in their original sealed packaging according to temperature specifications on labeling.

Incompatible Materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines No exposure limits noted for ingredient(s)

Appropriate engineering controls

Engineering Controls Biological Safety Cabinet.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses.

Skin and Body Protection Wear suitable gloves. Protective work clothing (lab coat).

Respiratory Protection Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations	Keep away from food, drink and animal feeding stuffs. Immediately remove all soiled and contaminated clothing. Wash hands thoroughly after handling. Avoid contact with skin, eyes or clothing.
---------------------------------------	---

--	--

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Dry material, Liquid Pellet containing dry material
-----------------------	--

Appearance	According to product specification
-------------------	------------------------------------

Odor	Odorless
-------------	----------

Color	According to product specification
--------------	------------------------------------

Odor Threshold	Not determined
-----------------------	----------------

<u>Property</u>	<u>Values</u>

Remarks • Method	
-------------------------	--

pH	Not determined
-----------	----------------

--	--

Melting Point/Freezing Point	Not determined
-------------------------------------	----------------

--	--

Boiling Point/Boiling Range	Not determined
------------------------------------	----------------

--	--

Flash Point	Not determined
--------------------	----------------

--	--

Evaporation Rate	Not determined
-------------------------	----------------

--	--

Flammability (Solid, Gas)	Not determined
----------------------------------	----------------

--	--

Upper Flammability Limits	Not determined
----------------------------------	----------------

--	--

Lower Flammability Limit	Not determined
---------------------------------	----------------

--	--

Vapor Pressure	Not determined
-----------------------	----------------

--	--

Vapor Density	Not determined
----------------------	----------------

--	--

Specific Gravity	Not determined
-------------------------	----------------

--	--

Water Solubility	Soluble in water
-------------------------	------------------

--	--

Solubility in other solvents	Not determined
-------------------------------------	----------------

--	--

Partition Coefficient	Not determined
------------------------------	----------------

--	--

Auto-ignition Temperature	Product is not self-igniting
----------------------------------	------------------------------

--	--

Decomposition Temperature	Not determined
----------------------------------	----------------

--	--

Kinematic Viscosity	Not determined
----------------------------	----------------

--	--

Dynamic Viscosity	Not determined
--------------------------	----------------

--	--

Explosive Properties	Not an explosive
Oxidizing Properties	Not determined

10. STABILITY AND REACTIVITY

Reactivity	Not reactive under normal conditions.
-------------------	---------------------------------------

--	--

Chemical Stability	Stable under recommended storage conditions.
---------------------------	--

Possibility of Hazardous Reactions	None under normal processing.
---	-------------------------------

Conditions to Avoid	Keep out of reach of children.
----------------------------	--------------------------------

Incompatible Materials	None known based on information supplied.
-------------------------------	---

Hazardous Decomposition Products	No decomposition if used according to specifications.
---	---

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	thrombotic
Eye Contact	Avoid contact with eyes.
Skin Contact	Not expected to be a skin irritant during prescribed use.
Inhalation	Avoid the production of aerosols.
Ingestion	Avoid hand to mouth contact.

Component Information

Information on physical, chemical and toxicological effects

Symptoms	Please see section 4 of this SDS for symptoms.
-----------------	--

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity	Carcinogenic potential is unknown.
Numerical measures of toxicity Not determined	
12. ECOLOGICAL INFORMATION	
Ecotoxicity	The ecological effects have not been thoroughly investigated, but currently none have been identified.
Persistence/Degradability	Not determined.
Bioaccumulation	Not determined.
Mobility	Not determined
Other Adverse Effects	Not determined
13. DISPOSAL CONSIDERATIONS	
Waste Treatment Methods	
Disposal of Wastes	The Liquid Vials and lyophilized microorganisms and subsequent growth of these microorganisms on culture media are considered to be biohazard material. Agencies and statutes regulate the disposal of all biohazard materials. Each laboratory must be aware of and comply with the proper disposal of biohazard materials.
Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.
14. TRANSPORT INFORMATION	
Note	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
DOT	
UN/ID No	UN3373
Proper Shipping Name	Biological substance, Category B
Hazard Class	6.2
IATA	
UN/ID No	UN3373
Proper Shipping Name	Biological substance, Category B
Hazard Class	6.2
IMDG	
UN/ID No	UN3373
Proper Shipping Name	Biological substance, Category B
Hazard Class	6.2
15. REGULATORY INFORMATION	

International Inventories	
Not determined	
Legend:	
<i>TSCA - United States Toxic Substances Control Act Section 8(b) Inventory</i>	
<i>DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List</i>	
<i>EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances</i>	
<i>ENCS - Japan Existing and New Chemical Substances</i>	
<i>IECSC - China Inventory of Existing Chemical Substances</i>	
<i>KECL - Korean Existing and Evaluated Chemical Substances</i>	
<i>PICCS - Philippines Inventory of Chemicals and Chemical Substances</i>	
<i>AICS - Australian Inventory of Chemical Substances</i>	

US Federal Regulations

SARA 313
Not determined

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations
Not determined

16. OTHER INFORMATION

--	--	--

--	--	--

NFPA

	<table border="1"> <tr> <td>Health Hazards</td> <td></td> </tr> <tr> <td>Not determined</td> <td></td> </tr> </table>	Health Hazards		Not determined		
Health Hazards						
Not determined						

	<table border="1"> <tr> <td>Flammability</td> <td></td> </tr> <tr> <td>Not determined</td> <td></td> </tr> </table>	Flammability		Not determined		
Flammability						
Not determined						

	<table border="1"> <tr> <td>Instability</td> <td></td> </tr> <tr> <td>Not determined</td> <td></td> </tr> </table>	Instability		Not determined		
Instability						
Not determined						

	<table border="1"> <tr> <td>Special Hazards</td> <td></td> </tr> <tr> <td>Not determined</td> <td></td> </tr> </table>	Special Hazards		Not determined		
Special Hazards						
Not determined						

--	--

HMIS	
-------------	--

	Health Hazards Not determined	
--	---	--

	Flammability Not determined	
--	---------------------------------------	--

	Physical Hazards Not determined	
--	---	--

	Personal Protection Not determined	
--	--	--

--	--

--	--

Issue Date:	06-July-2017
--------------------	--------------

Revision Date:	06-July-2017
-----------------------	--------------

Revision Note:	New SDS
-----------------------	---------

--	--

--	--

<p><u>Disclaimer</u> 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.</p>
--

--	--

End of Safety Data Sheet	
---------------------------------	--

--